

**Appendix A
(Available on City website)**

**Air Quality and GHG Emissions Studies
Phase I and Phase 2
January 2022**

January 26, 2022

10589

Patti Murphy
Desert Peak Energy Center, LLC
One California, Suite 16
San Francisco, California 94111

Subject: *Desert Peak Energy Center Project – Phase I - Air Quality and Greenhouse Gas Emissions Study*

Dear Ms. Murphy:

Dudek is pleased to present Desert Peak Energy Center, LLC, with the following air quality and greenhouse gas (GHG) analysis for the proposed Desert Peak Energy Center Project (Project) – Phase I located in the City of Palm Springs (City).

This memorandum estimates criteria air pollutant and GHG emissions and impacts from construction and operation of the Project in accordance with the California Environmental Quality Act (CEQA) Guidelines. The contents and organization of this memorandum are as follows: Project Description, General Analysis and Methodology, Thresholds of Significance and Impact Analyses for the Air Quality Assessment and GHG Emissions Assessment, Conclusions, and References Cited.

1 Project Location and Description

The Project is located in the City of Palm Springs at the northeastern intersection of Diablo Road and 16th Avenue. The Project site is located approximately 1.1 miles north of Interstate (“I”) 10, 1.1 miles east of State Route 62, and 1.5 miles west of North Indian Canyon Drive. The Project site is located in the southwestern corner of Section 4 and northwestern corner of Section 9, Township 3 South, and Range 4 East of the San Bernardino Baseline and Meridian, U.S. Geological Survey Desert Hot Springs 7.5-minute quadrangle. The approximate center of the Project site corresponds to 33°55’44.37” north latitude (33.928992) and 116°34’30.49” west longitude (-116.575136).

The Project includes construction and operation of a battery energy storage system facility. The battery energy storage system facility would include a 400-megawatt by 4-hour facility on an approximately 35-acre footprint of the larger 188-acre Project site, along with associated on-site switchyard, inverters, fencing, roads, and supervisory control and data acquisition (“SCADA”) system, and would store 1,600 megawatt-hours of energy. The Project also includes a 230-kilovolt overhead gen-tie line, which would extend approximately 0.3 miles north to the Southern California Edison (“SCE”) Devers Substation.

2 General Analysis and Methodology

The Project site is located within the Salton Sea Air Basin (SSAB) and is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD), which has jurisdiction over Riverside County (County) where the Project is located. Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria

air pollutants that are evaluated include volatile organic compounds (VOCs; sometimes referred to as reactive organic gases), oxides of nitrogen (NO_x), carbon monoxide (CO), sulfur oxides (SO_x), particulate matter with an aerodynamic diameter less than or equal to 10 microns in size (coarse particulate matter, or PM₁₀), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size (fine particulate matter, or PM_{2.5}). VOCs and NO_x are important because they are precursors to ozone (O₃).

GHGs are gases that absorb infrared radiation in the atmosphere. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature. Global climate change concerns are focused on whether human activities are leading to an enhancement of the greenhouse effect. Principal GHGs include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), O₃, and water vapor. If the atmospheric concentrations of GHGs rise, the average temperature of the lower atmosphere will gradually increase. Globally, climate change has the potential to impact numerous environmental resources though uncertain impacts related to future air temperatures and precipitation patterns. Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. Climate change is already affecting California: average temperatures have increased, leading to more extreme hot days and fewer cold nights; shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year; sea levels have risen; and wildland fires are becoming more frequent and intense due to dry seasons that start earlier and end later (CAT 2010).

The effect each GHG has on climate change is measured as a combination of the mass of its emissions and the potential of a gas or aerosol to trap heat in the atmosphere, known as its global warming potential (GWP), which varies among GHGs. Total GHG emissions are expressed as a function of how much warming would be caused by the same mass of CO₂. Thus, GHG emissions are typically measured in terms of pounds or tons of CO₂ equivalent (CO₂e). The CO₂e for a gas is derived by multiplying the mass of the gas by the associated GWP, such that metric tons (MT) of CO₂e = (MT of a GHG) × (GWP of the GHG). CalEEMod assumes that the GWP for CH₄ is 25, which means that emissions of 1 MT of CH₄ are equivalent to emissions of 25 MT of CO₂, and the GWP for N₂O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007).

2.1 Construction

Emissions from the construction phase of the Project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2020.4.0. For the purposes of modeling, it was assumed that construction of the Project would commence in June 2022¹ and would last approximately 15 months, ending in August 2023. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Site preparation – 2 weeks
- Substation site preparation – 1 month
- Trenching – 1 month
- Grading – 1 month

¹ The analysis assumes a construction start date of June 2022, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

- Substation grading – 1 month
- Battery/Container installation – 7 months
- Substation installation – 4 months
- Gen-tie foundation and tower erection – 1 week
- Gen-tie stringing and pulling – 2 months

The majority of the construction phases listed above would occur concurrently and would not occur sequentially in isolation. The estimated construction duration was provided by the Project applicant. Detailed construction equipment modeling assumptions are provided in Attachment A, CalEEMod Outputs.

The construction equipment mix used for estimating the construction emissions of the Project is based on information provided by the Project applicant and is shown in Table 1.

Table 1. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Site preparation	16	2	0	Graders	2	8
				Rubber-tired loaders	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation site preparation	10	2	0	Rubber-tired dozers	2	8
				Tractors/loaders/backhoes	2	8
Trenching	10	2	0	Tractors/loaders/backhoes	2	8
				Trenchers	2	8
Grading	20	2	10,034	Graders	2	8
				Plate compactors	2	8
				Rollers	2	8
				Rubber-tired loaders	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation grading	10	2	10,034	Rollers	2	8
				Rubber-tired dozers	2	8
				Tractors/loaders/backhoes	2	8
Battery/Container installation	60	6	1,430	Air compressors	4	8
				Cranes	2	8
				Excavators	2	8
				Generator sets	4	8
				Plate compactors	2	8

Table 1. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
				Rollers	2	8
				Rough-terrain forklifts	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation Installation	60	20	0	Aerial lifts	6	8
				Air compressors	2	8
				Bore/drill rigs	2	8
				Cranes	2	8
				Excavators	2	8
				Generator sets	2	8
				Rollers	2	8
				Rough-terrain forklifts	2	8
				Rubber-tired dozers	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	4	8
				Trenchers	4	8
Gen-tie foundation and tower erection	16	2	0	Air Compressors	1	8
				Cranes	1	4
				Forklifts	1	8
				Generator Sets	1	8
				Pumps	1	8
				Welders	1	8
Gen-tie stringing and pulling	8	2	0	Forklifts	1	6
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	1	8

Note: See Attachment A for details.

For the analysis, it was assumed that heavy construction equipment would be operating 5 days per week (22 days per month) during Project construction. Construction worker and vendor trips were based on CalEEMod default assumptions and rounded up to the nearest whole number to account for whole round trips. The project, as a condition of approval, has committed to using US EPA Tier 4 Interim construction equipment for all cranes, generator sets, rubber tired dozers, skid steer loaders, and tractors/loaders/backhoes. All other equipment emissions were estimated using the CalEEMod default emission factors for the construction duration.

Project construction would include 47,542 cubic yards of cut and 208,088 cubic yards of fill, as represented in the grading and substation grading phases. Approximately 160,546 cubic yards of material will imported. It is anticipated that earth movement would be primarily, if not completely, accomplished using off-road equipment.

Based on the location of the construction activity, it was assumed that 0.46 miles of non-road travel would occur per trip for vendor trucks. All other vehicles will park at the staging/substation area.

Construction of project components would be subject to SCAQMD Rule 403 and 403.1, which requires that proposed construction include steps to restrict visible emissions of fugitive dust beyond the property line (SCAQMD 2005 and SCAQMD 2004). Compliance with SCAQMD Rule 403 and 403.1 would limit fugitive dust (PM₁₀ and PM_{2.5}) that may be generated during proposed grading and construction activities. The application of architectural coatings, such as exterior application/interior paint and other finishes, and application of asphalt pavement would also produce VOC emissions; however, the contractor is required to procure architectural coatings from a supplier in compliance with the requirements of SCAQMD's Rule 1113 (Architectural Coatings; SCAQMD 2016).

A detailed depiction of the construction schedule—including information regarding phases and equipment used during each phase—is included in Attachment A to this letter report. The information contained in Attachment A was used as CalEEMod model inputs.

2.2 Operation

Emissions from the operational phase of the Project were estimated using CalEEMod. Operational year 2023 was assumed following completion of construction.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of a power plant, which is typically off site. The battery storage containers would have heating, ventilation, and air conditioning systems to keep the batteries in the optimal operating temperatures. As such, the default CalEEMod rates for a refrigerated warehouse were assumed for electricity use for the Project.

Emissions were calculated by multiplying the energy use by the utility's carbon intensity (pounds of GHGs per megawatt-hour for electricity) for CO₂ and other GHGs. Annual electricity emissions were estimated in CalEEMod using the emissions factors for Southern California Edison (SCE), which would be the energy source provider for the Project.

Mobile Sources

Following the completion of construction activities, the Project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of the maintenance activity of the Project. It is anticipated that one worker truck and two vendor trucks would visit the site every month to perform routine maintenance. CalEEMod default data, including trip characteristics and emissions factors, were used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the associated use, as modeled within CalEEMod. Emission factors representing the vehicle mix and emissions for 2023 were used to estimate emissions associated with vehicular sources.

Off-Road Sources

The Project would involve using a crane once every 5 years during routine maintenance to be able to lift, move, and replace/upgrade the modular containers. CalEEMod default equipment size and load factors were assumed. It was assumed that the crane would operate for 8 hours, 1 day every 5 years.

3 Air Quality Assessment

3.1 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality are based on the recommendations provided in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). For the purposes of this air quality analysis, a significant impact would occur if the Project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied on to determine whether a project would have a significant impact on air quality.

SCAQMD has adopted thresholds to address the significance of air quality impacts resulting from a project. A project would result in a substantial contribution to an existing air quality violation of the National Ambient Air Quality Standards (NAAQS) or California Ambient Air Quality Standards (CAAQS) for O₃, which is a nonattainment pollutant, if the project’s construction emissions would exceed SCAQMD’s VOC or NO_x significance thresholds (shown in Table 2). These emission-based thresholds for O₃ precursors are intended to serve as a surrogate for an “ozone significance threshold” (i.e., the potential for adverse O₃ impacts to occur) because O₃ itself is not emitted directly, and the effects of an individual project’s emissions of O₃ precursors (VOC and NO_x) on O₃ levels in ambient air cannot be determined through air quality models or other quantitative methods. The SCAB is also nonattainment for the state PM₁₀ and federal and state PM_{2.5} standards.

Table 2. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	Construction (Pounds per Day)	Operation (Pounds per Day)
VOCs	75	55
NO _x	100	55
CO	550	550
SO _x	150	150

Table 2. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
PM ₁₀	150	150
PM _{2.5}	55	55
Lead ^a	3	3
TACs and Odor Thresholds		
Pollutant	Thresholds	
TACs ^b	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and acute hazard index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality Standards for Criteria Pollutants ^c		
Pollutant	Ambient Air Quality Standard	
NO ₂ 1-hour average NO ₂ annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.030 ppm (state) and 0.0534 ppm (federal)	
CO 1-hour average CO 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state /federal)	
PM ₁₀ 24-hour average PM ₁₀ annual average	SCAQMD is in attainment for the federal standard and nonattainment for the state standard; project is significant if it causes or contributes to an exceedance of the following attainment standards: 10.4 µg/m ³ (construction) ^d 2.5 µg/m ³ (operation) 1.0 µg/m ³	
PM _{2.5} 24-hour average	SCAQMD is nonattainment for the federal and state standard; project is significant if it causes or contributes to an exceedance of the following attainment standards: 10.4 µg/m ³ (construction) ^d 2.5 µg/m ³ (operation)	

Source: SCAQMD 2019.

Notes: SCAQMD = South Coast Air Quality Management District; VOCs = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; TAC = toxic air contaminant; NO₂ = nitrogen dioxide; ppm = parts per million; µg/m³ = micrograms per cubic meter.

GHG emissions thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not included in this table because they will be addressed in the GHG emissions analysis and not the air quality study.

^a The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the Project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

^b TACs include carcinogens and non-carcinogens.

^c Ambient air quality standards for criteria pollutants are based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.

^d Ambient air quality thresholds are based on SCAQMD Rule 403.

In addition to the emission-based thresholds listed in Table 2, SCAQMD also recommends the evaluation of localized air quality impacts to sensitive receptors in the immediate vicinity of the Project site as a result of

construction activities. Such an evaluation is referred to as a “localized significance threshold” (LST) analysis. The LST analysis focuses on construction equipment and does not include mobile sources. Therefore, the LST analysis applies only to the construction equipment on site, not to the worker vehicles or vendor trucks. For sites of 5 acres or less, SCAQMD’s LST Methodology (2009) includes lookup tables that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance criteria (i.e., the emissions would not cause an exceedance of the applicable concentration limits for NO₂, CO, PM₁₀, and PM_{2.5}) without performing project-specific dispersion modeling. Using the SCAQMD’s “Fact Sheet for Applying CalEEMod to Localized Significance Thresholds” methodology, the Project would disturb a maximum 2 acres per day over the site preparation and substation site preparation phases.

The LST significance thresholds for NO₂ and CO represent the allowable increase in concentrations above background levels in the vicinity of a site that would not cause or contribute to an exceedance of the relevant ambient air quality standards, while the threshold for PM₁₀ represents compliance with Rule 403 (Fugitive Dust). The LST significance threshold for PM_{2.5} is intended to ensure that construction emissions do not contribute substantially to existing exceedances of the PM_{2.5} ambient air quality standards. The allowable emission rates depend on the following parameters:

- Source-receptor area (SRA) in which the site is located
- Size of the site
- Distance between the site and the nearest sensitive receptor (e.g., residences, schools, hospitals)

The Project site is located in SRA 30 (Coachella Valley). LST pollutant screening level concentration data is currently published for 1-, 2-, and 5-acre sites for varying distances. Because the Project would disturb 2-acres per day, the 2-acre LST was used. The nearest sensitive-receptor land uses are residences located approximately 130 feet (40 meters) to the west of the property boundary. As such, the LST receptor of 40-meters was interpolated based on the 25-meter and 50-meter values included in the lookup tables. The LST values from the SCAQMD lookup tables for SRA 30 for a 2-acre Project site and a receptor distance of 40 meters are shown in Table 3.

Table 3. Localized Significance Thresholds for Source-Receptor Area 30 (Coachella Valley)

Pollutant	Threshold (Pounds per Day)
Construction	
NO ₂	211
CO	1,678
PM ₁₀	16
PM _{2.5}	6

Source: SCAQMD 2009.

Notes: NO₂ = nitrogen dioxide; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

Localized significance thresholds were determined based on the values for a 2-acre site at 40-meters (130 feet) from the nearest sensitive receptor.

3.2 Impact Analysis

3.2.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

The Project site is located in the SCAB, which includes portions of Los Angeles, Riverside, and San Bernardino Counties and all of Orange County, and is within the jurisdictional boundaries of SCAQMD.

SCAQMD administers SCAB's Air Quality Management Plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining all CAAQS and NAAQS. The most recent adopted AQMP for the SCAB is the 2016 AQMP (SCAQMD 2017), which was adopted by SCAQMD's Governing Board in March 2017. The 2016 AQMP focuses on available, proven, and cost-effective alternatives to traditional strategies while seeking to achieve multiple goals in partnership with other entities seeking to promote reductions in GHGs and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017).

The purpose of a consistency finding with regard to the AQMP is to determine whether a project is consistent with the assumptions and objectives of the regional air quality plans, and whether it would interfere with the region's ability to comply with federal and state air quality standards. SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3 of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- Whether the Project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- Whether the Project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, Project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed in Section 3.2.2 of this letter report. Detailed results of this analysis are included in Attachment A. As presented in Section 3.2.2, construction and operation of the Project would not generate criteria air pollutant emissions that exceed SCAQMD's thresholds.

The second criterion, regarding the Project's potential to exceed the assumptions in the AQMP or increments based on the year of Project buildout and phase, is primarily assessed by determining consistency between the Project site's land use designations and the Project's potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook). SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the Southern California Association of Governments (SCAG) for its Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (SCAG 2016). This document, which is based on general plans for cities and counties in the SCAB, is used by SCAQMD to develop the AQMP emissions inventory (SCAQMD 2017).² The SCAG

² Information necessary to produce the emissions inventory for the SCAB is obtained from SCAQMD and other governmental agencies, including the California Air Resources Board (CARB), California Department of Transportation (Caltrans), and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors,

2016 RTP/SCS and the associated Regional Growth Forecast are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans. Notably, SCAG adopted Connect SoCal, the 2020-2045 RTP/SCS on September 3, 2020 (SCAG 2020), but the updated growth projections have not yet been incorporated into an adopted AQMP. SCAQMD is currently developing the 2022 AQMP, which will incorporate these updated regional growth projections.

The Project site is designated by the City as Energy Industrial (E-I) and is intended to provide areas for alternative energy development and limited industrial and cultivation uses in those areas which by virtue of strong prevailing winds are ideally suited for large-scale development of wind energy. The Project site is consistent with the existing land use designation and does not propose a change in land use designation. In addition, the implementation of the Project would not generate an increase in growth demographics that would conflict with existing projections within the region. Accordingly, the Project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

In summary, based on the considerations presented for the two criteria, impacts relating to the Project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

3.2.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a Project's individual emissions would have a cumulatively significant impact on air quality.

Construction Emissions

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road vendor and haul trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for particulate matter, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated.

CalEEMod was used to estimate emissions from construction of the Project. Internal combustion engines used by construction equipment, trucks, and worker vehicles would result in emissions of VOCs, NO_x, CO, PM₁₀, and PM_{2.5}. PM₁₀ and PM_{2.5} emissions would also be generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil. The Project would be required to comply with

socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in its 2016 RTP/SCS are integrated into SCAQMD's 2016 AQMP (SCAQMD 2017).

SCAQMD Rule 403 and 403.1 to control dust emissions generated during any dust-generating activities. Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active dust areas two times per day, with additional watering depending on weather conditions. The CalEEMod default assumptions were used for estimating fugitive dust emissions from grading on site. The Project would involve application of architectural coating (e.g., paint and other finishes) for painting the storage units. The contractor is required to procure architectural coatings from a supplier that complies with the requirements of SCAQMD’s Rule 1113 (Architectural Coatings). Table 4 presents the estimated maximum daily construction emissions generated during construction of the Project. Details of the emission calculations are provided in Attachment A.

Table 4. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Unmitigated

Year	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
2022	3.94	84.72	67.43	0.30	204.97	25.04
2023	6.52	73.94	103.55	0.22	15.86	4.09
Maximum	6.52	84.72	103.55	0.30	204.97	25.04
SCAQMD Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	Yes	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District. Emissions include compliance with SCAQMD Rules 403 and 1113. See Attachment A for complete results.

As shown in Table 4, the Project construction would not exceed SCAQMD’s daily thresholds for VOC, NO_x, CO, SO_x, or PM_{2.5}. However, the project would exceed the SCAQMD daily threshold for PM₁₀ in 2022. Therefore, construction impacts associated with criteria air pollutant emissions would be potentially significant and mitigation is required. The following mitigation is required to reduce emissions of PM₁₀ to below levels of significance.

Mitigation Measure AQ-1: Enhanced Fugitive Dust Control

All building or grading permits issued for the Project shall include the requirement that all exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be treated with a chemical stabilizer at least twice per year. All contractors selected to construct any component of the Project shall implement this measure.

Table 5 presents the estimated maximum daily construction emissions generated during construction of the Project including mitigation measure **AQ-1**. Details of the emission calculations are provided in Attachment A.

Table 5. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Mitigated

Year	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
2022	3.94	84.72	67.43	0.30	45.47	9.14
2023	6.52	73.94	103.55	0.22	6.88	3.20
Maximum	6.52	84.72	103.55	0.30	45.47	9.14
SCAQMD Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District. Emissions include compliance with SCAQMD Rules 403 and 1113. See Attachment A for complete results.

As shown in Table 5, the Project construction would not exceed SCAQMD’s daily thresholds for VOC, NO_x, CO, SO_x, PM₁₀, or PM_{2.5} with implementation of mitigation measure **AQ-1**. Therefore, construction impacts associated with criteria air pollutant emissions would be less than significant with mitigation.

Operational Emissions

Emissions from the operational phase of the Project were estimated using CalEEMod. Operational year 2023 was assumed following completion of construction. Table 6 presents the estimated emissions during operation.

Table 6. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emissions Source	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
Area	<0.01	<0.01	0.04	0.00	<0.01	<0.01
Mobile	0.01	0.14	0.12	<0.01	17.65	1.76
Off-road	0.35	3.82	1.83	0.01	0.16	0.15
Total	0.36	3.96	1.99	0.01	17.81	1.91
SCAQMD Threshold	55	55	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District. See Attachment A for complete results. Totals may not sum precisely due to rounding. “<0.01” denotes emissions are less than 0.01 pounds per day.

As shown in Table 6, the Project would not exceed SCAQMD’s significance thresholds during operations. Therefore, operational impacts associated with criteria air pollutant emissions would be less than significant.

In considering cumulative impacts from a Project, the analysis must specifically evaluate the Project’s contribution to the cumulative increase in pollutants for which the SCAB is designated as nonattainment for the CAAQS and NAAQS. If a project’s emissions would exceed SCAQMD’s significance thresholds, it would be considered to have a cumulatively considerable contribution to nonattainment status in the SCAB. If a project does not exceed thresholds

and is determined to have less than significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality. The basis for analyzing the Project's cumulatively considerable contribution is if the Project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact) and consistency with SCAQMD's 2016 AQMP, which addresses cumulative emissions in the SCAB.

The SCAB has been designated as a federal nonattainment area for O₃ and PM_{2.5} and a state nonattainment area for O₃, PM₁₀, and PM_{2.5}. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction of the Project would generate VOC and NO_x emissions (which are precursors to O₃) and emissions of PM₁₀ and PM_{2.5}. As indicated in Tables 5 and 6, Project-generated construction and operational emissions would not exceed SCAQMD's emission-based significance thresholds for VOC, NO_x, CO, SO₂, PM₁₀, or PM_{2.5} with mitigation.

Cumulative localized impacts would potentially occur if a construction project were to occur concurrently with another off-site project. Construction schedules for potential future projects near the Project site are currently unknown; therefore, potential construction impacts associated with two or more simultaneous projects would be speculative.³ However, future projects would be subject to CEQA and would require an air quality analysis and, where necessary, mitigation if the Project would exceed SCAQMD's significance thresholds. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by SCAQMD. Cumulative PM₁₀ and PM_{2.5} emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all construction sites in the SCAQMD.

Based on the previous considerations, the Project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and cumulative impacts would be less than significant with mitigation.

3.2.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Localized Significance Thresholds

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, older people, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993). The nearest sensitive-receptor land uses (residences) are located approximately 130 feet west of the Project site boundary.

Construction activities associated with the Project would result in temporary sources of on-site fugitive dust and construction equipment emissions. Off-site emissions from vendor trucks and worker vehicle trips are not included

³ The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145). This discussion is nonetheless provided in an effort to show good-faith analysis and to comply with CEQA's information disclosure requirements.

in the LST analysis. The maximum allowable daily emissions that would satisfy the SCAQMD LST criteria for SRA 30 are presented in Table 7 and compared to the maximum daily on-site construction emissions.

Table 7. Localized Significance Thresholds Analysis for Project Construction Project construction

Pollutant	Project Construction Emissions (Pounds per Day)	LST Criteria (Pounds per Day)	Exceeds LST?
NO ₂	67.18	211	No
CO	98.25	1,678	No
PM ₁₀	7.05	16	No
PM _{2.5}	3.72	6	No

Source: SCAQMD 2009.

Notes: LST = localized significance threshold; NO₂ = nitrogen dioxide; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Attachment A for detailed results.

LSTs are shown for 2-acre site at a distance of 40-meters (130 feet) for SRA 30 (Coachella Valley). The emissions represent worst-case operating scenario during construction.

1. These estimates reflect control of fugitive dust required by SCAQMD Rule 403 and 403.1.

As shown in Table 7, the Project’s estimated construction emissions would not exceed the LST for NO₂, CO, PM₁₀, or PM_{2.5}. Therefore, the Project would result in a less than significant localized impact to sensitive receptors during construction.

CO Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed CO “hotspots.” CO transport is extremely limited and disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (LOS) (LOS E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots.

Title 40 of the Code of Federal Regulations, Section 93.123(c)(5), Procedures for Determining Localized CO, PM₁₀, and PM_{2.5} Concentrations (Hot-Spot Analysis), states that “CO, PM₁₀, and PM_{2.5} hot-spot analyses are not required to consider construction-related activities, which cause temporary increases in emissions. Each site which is affected by construction-related activities shall be considered separately, using established ‘Guideline’ methods. Temporary increases are defined as those which occur only during the construction phase and last five years or less at any individual site” (40 CFR 93.123). While Project construction would involve on-road vehicle trips from trucks and workers during construction, construction activities would last approximately 15 months and would not require a project-level construction hotspot analysis.

Mobile source impacts occur on two scales of motion. Regionally, project-related travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SCAB. Locally, project-generated

traffic would be added to the City's roadway system near the Project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing.

Therefore, it is concluded that a quantitative CO hotspots analysis is not required. The construction-related traffic is not anticipated to create a CO hotspot as emissions would be dispersed rapidly and would not be concentrated. During operation, the Project is expected to generate minimal vehicle trips for maintenance personnel, and therefore, no CO hotspots would be created.

As such, impacts to sensitive receptors with regard to potential CO hotspots resulting from the Project's contribution to cumulative traffic-related air quality impacts would be less than significant.

Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (immediate) and/or chronic (cumulative) non-cancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). TACs are identified by federal and state agencies based on a review of available scientific evidence. In the state of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the State Legislature in 1987 to address public concern over the release of TACs into the atmosphere.

Examples of TACs include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Project construction would result in emissions of diesel particulate matter from heavy construction equipment and trucks accessing the site. Diesel particulate matter is characterized as a TAC by the State of California. The Office of Environmental Health Hazard Assessment (OEHHA) has identified carcinogenic and chronic non-carcinogenic effects from long-term exposure but has not identified health effects due to short-term exposure to diesel exhaust. According to OEHHA, health risk assessments (HRAs), which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period for the maximally exposed individual resident; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). Thus, the duration of the proposed construction activities would constitute only a small percentage of the total 30-year exposure period. However, in an abundance of caution, a construction health risk assessment (HRA) was performed to evaluate the cancer and non-cancer health impacts of the project during construction on sensitive

receptors proximate to the project. The complete HRA is included as Appendix B and the results are shown in Table 8.

Table 8. Construction Health Risk Assessment Results

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	9.2	10	Less than Significant
Chronic Hazard Index – Residential	Index Value	0.01	1.0	Less than Significant

Source: SCAQMD 2019.

Note: CEQA = California Environmental Quality Act.

See Appendix B.

As shown in Table 8, the maximum cancer risk and chronic hazard index would not exceed the SCAQMD significance thresholds. Therefore, impacts during construction would be considered less than significant.

Additionally, the health risk public-notification thresholds adopted by the SCAQMD Board is 10 excess cancer cases in a million for cancer risk and a hazard index of more than one (1.0) for non-cancer risk. The hazard index of more than 1.0 means that predicted levels of a toxic pollutant are greater than the reference exposure level, which is considered the level below which adverse health effects are not expected. Examples of projects that emit toxic pollutants over long-term operations include oil and gas processing, gasoline dispensing, dry cleaning, electronic and parts manufacturing, medical equipment sterilization, freeways, and rail yards (SCAQMD 2017). The Project would not emit TACs during normal operations and TACs are not anticipated to be generated at the Project site; as such, a formal HRA will not be required for the Project. Accordingly, the Project is not anticipated to result in emissions that would exceed the SCAQMD Board-adopted health risk notification thresholds. Therefore, the Project would not expose sensitive receptors to substantial TAC emissions during construction or operation and impacts would be less than significant.

Valley Fever

Coccidioidomycosis, more commonly known as “Valley Fever,” is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. The ecologic factors that appear to be most conducive to survival and replication of the spores are high summer temperatures, mild winters, sparse rainfall, and alkaline, sandy soils.

Riverside County is not considered a highly endemic region for Valley Fever as the latest report from the California Department of Public Health listed Riverside County as having 2.7 cases per 100,000 people (California Department of Public Health 2017). Similarly, among the total reported incidents of Valley Fever in Riverside County in 2015, only 2.8% of the cases were in Palm Springs (Riverside University Health System Public Health 2016). The Project will also employ a dust mitigation measure by applying a chemical stabilizer to exposed surfaces (per Mitigation Measure AQ-1) and limiting speed on unpaved roads to 15 miles per hour in accordance with SCAQMD Rules 403 and 403.1, which limit the amount of fugitive dust generated during construction. Therefore, the Project would have a less-than-significant impact with respect to Valley Fever exposure for sensitive receptors.

Health Impacts of Criteria Air Pollutants

Construction of the Project would generate criteria air pollutant emissions; however, the Project would not exceed the SCAQMD mass-emission thresholds with mitigation.

The SCAB is designated as nonattainment for O₃ for the NAAQS and CAAQS. Thus, existing O₃ levels in the SCAB are at unhealthy levels during certain periods. The health effects associated with O₃ generally relate to reduced lung function. Because the Project would not involve construction activities that would result in O₃ precursor emissions (VOC or NO_x) that would exceed the SCAQMD thresholds, the Project is not anticipated to substantially contribute to regional O₃ concentrations and associated health impacts. Similar to construction, no SCAQMD threshold would be exceeded during operation.

In addition to O₃, NO_x emissions contribute to potential exceedances of the NAAQS and CAAQS for NO₂ (since NO₂ is a constituent of NO_x). Exposure to NO₂ can cause lung irritation, bronchitis, and pneumonia, and can lower resistance to respiratory infections. As depicted in Table 5, Project construction would not exceed the SCAQMD localized thresholds for NO₂. Thus, construction of the Project is not expected to exceed the NO₂ standards or contribute to associated health effects.

CO tends to be a localized impact associated with congested intersections. CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less than significant impact. Thus, the Project's CO emissions would not contribute to the health effects associated with this pollutant.

The SCAB is designated as nonattainment for PM₁₀ under the CAAQS and nonattainment for PM_{2.5} under the NAAQS and CAAQS. Particulate matter contains microscopic solids or liquid droplets that are so small they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing (EPA 2016). With implementation of Mitigation Measure AQ-1, the Project would not generate emissions of PM₁₀ or PM_{2.5} that would exceed SCAQMD's thresholds. Accordingly, the Project's PM₁₀ and PM_{2.5} emissions are not expected to cause any increase in related localized or regional health effects for these pollutants.

In summary, the Project would not result in any potentially significant contribution to local or regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Impacts would be less than significant after mitigation.

3.2.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speed and direction; and the sensitivity of receiving location all contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the Project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and asphalt pavement application. Such odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities (SCAQMD 1993). The Project would not create any new sources of odor during operation. Therefore, Project operations would result in an odor impact that would be less than significant.

4 Greenhouse Gas Emissions Assessment

4.1 Thresholds of Significance

The State of California has developed guidelines to address the significance of GHG emissions impacts based on Appendix G of the CEQA Guidelines. This analysis applies the recommended SCAQMD numeric GHG emissions thresholds to determine the potential for the Project to generate GHG emissions, either directly or indirectly, that would have a significant impact on the environment.

In October 2008, SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008a). This guidance document, which builds on the previous guidance prepared by the CAPCOA, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_{2e} per-year screening level threshold for stationary source projects for which the SCAQMD is the lead agency (SCAQMD 2008b).

SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

- Tier 1** Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.
- Tier 2** Consider whether or not the Project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.
- Tier 3** Consider whether the Project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_{2e} per year threshold for stationary source projects would

be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO₂e per year), commercial projects (1,400 MT CO₂e per year), and mixed-use projects (3,000 MT CO₂e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO₂e per year would be used for all non-industrial projects. If the Project generates emissions in excess of the applicable screening threshold, move to Tier 4.

Tier 4 Consider whether the Project generates GHG emissions in excess of applicable performance standards for the Project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO₂e per service population for project level analyses and 6.6 MT CO₂e per service population for plan level analyses. If the Project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5 Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the Project efficiency target to Tier 4 levels.

Because the Project consists of an energy storage facility, this analysis applies the recommended SCAQMD threshold of 3,000 MT CO₂e per year. Per the SCAQMD guidance, construction emissions should be amortized over the operational life of the Project, which is assumed to be 30 years (SCAQMD 2008a). This impact analysis, therefore, adds amortized construction emissions to the estimated annual operational emissions and then compares operational emissions to the proposed SCAQMD threshold of 3,000 MT CO₂e per year.

4.2 Impact Analysis

4.2.1 Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Construction Emissions

Construction of the Project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road vendor and haul trucks, and worker vehicles. CalEEMod was used to estimate GHG emissions during construction. Construction of the Project is anticipated to last up to 15 months. Table 9 presents construction GHG emissions for the Project.

Table 9. Estimated Annual Construction GHG Emissions

Year	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons			
2022	1,203.49	0.10	0.12	1,241.73
2023	1,362.79	0.26	0.05	1,385.26
Total				2,626.99
Annualized emissions over 30 years (metric tons per year)				87.57

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent. See Attachment A for complete results.

As shown in Table 9, the estimated total GHG emissions during construction of the Project would be approximately 2,627 MT CO₂e. Estimated Project-generated construction emissions amortized over 30 years would be approximately 88 MT CO₂e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the Project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is determined by adding the amortized construction emissions to the operational emissions and comparing them to the operational threshold.

Operational Emissions

CalEEMod was used to estimate potential project-generated operational GHG emissions from energy sources (electricity), mobile sources, and off-road equipment. For additional details, see Section 2.2 for a discussion of operational emission calculation methodology and assumptions. Operational year 2023 was assumed as the first year of operation. Table 10 shows the estimated operational GHG emissions from the Project.

Table 10. Estimated Annual Operation GHG Emissions

Emissions Source	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
Energy	2,424.86	0.20	0.02	2,437.37
Mobile	4.02	<0.01	<0.01	4.18
Off-road	0.25	<0.01	<0.01	0.26
<i>Amortized construction emissions</i>				87.57
Total				2,529.37
<i>SCAQMD Threshold</i>				3,000
Threshold Exceeded?				No

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent; SCAQMD = South Coast Air Quality Management District. See Attachment A for complete results. “<0.01” denotes emissions are less than 0.01 pounds per day.

As shown in Table 10, the estimated total GHG emissions during operation of the Project would be approximately 2,529 MT CO₂e per year, including amortized construction emissions. The Project would not exceed the SCAQMD threshold of 3,000 MT CO₂e per year. Projects below this significance criterion have a minimal contribution to global emissions and are considered to have less than significant impacts. Therefore, operational impacts associated with directly or indirectly generating a significant quantity of GHG emissions would be less than significant.

4.2.2 Would the Project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Consistency with the City of Palm Springs’ Climate Action Plan

The City’s Climate Action Plan (CAP) is not a qualified GHG reduction plan according to CEQA Guidelines Section 15183.5 and thus cannot be used in a cumulative impacts analysis to determine significance. Therefore, this discussion of consistency is for informational purposes only. Table 11 provides an overview of the measures and

goals within the CAP that are applicable to the Project and the Project’s consistency with them. As shown in Table 11, the Project does not conflict with any of the GHG reducing measures or goals within the CAP and thus is consistent with the plan. It should also be noted that the Project would not inhibit the City from implementing any of the measures not listed in Table 11, as they do not apply to the Project.

Table 11. Project Consistency with the Climate Action Plan Greenhouse Gas Emission Reduction Strategies

Sphere	Climate Action Plan Measure	Project Consistency
Where we live – 10	Solid Waste Diversion: Increase solid waste diversion rate by 5% to 80.1% by 2015 potentially through awareness programs, recognition and other financial instruments	Consistent. The Project would divert as much solid waste as possible in accordance with state and local regulations.
Where we live – 11	Solid Waste Diversion: Increase solid waste diversion rate by an additional 10% to 90.1% by 2020 potentially through awareness programs, recognition and other financial instruments	Consistent. The Project would divert as much solid waste as possible in accordance with state and local regulations.
Where we work – 2	Peak Demand Reduction: Collaborate with SCE and encourage 100 businesses to enroll in Energy Efficiency and Demand Response programs such as the Summer Discount Program	Consistent. The Project would provide demand response through up to 400 MWh of local electricity.
How we build – 6	Green Building Program: Adopt the Voluntary Green Building Program to prepare for enhanced Title 24 requirements and green building standards	Consistent. The Project would be constructed in accordance with the Title 24 building code adopted at the time of construction.
How we build – 7	Green Building Support Services: Advance the Voluntary Green Building Program to mandatory green building requirement with technical support services	Consistent. The Project would be constructed in accordance with the Title 24 building code adopted at the time of construction.
How we get around – 13	Anti-Idling: Pass ordinance that restricts idling (in specific City zones) of greater than 5 minutes for all commercial vehicles	Consistent. The Project’s vehicles will limit idling during construction to no longer than 5 minutes.

Source: City of Palm Springs 2013.

Consistency with the SCAG 2020-2045 RTP/SCS (Connect SoCal)

Connect SoCal is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. It charts a path toward a more mobile, sustainable and prosperous region by making connections between transportation networks, between planning strategies and between the people whose collaboration can improve the quality of life for Southern Californians. Because the Project is not growth inducing, this type of consistency analysis does not apply. However, the major goals of the Connect SoCal are outlined in Table 12, along with the Project’s consistency with them.

Table 12. Project Consistency with the 2020 SCAG RTP/SCS – Connect SoCal

RTP/SCS Measure	Project Consistency
Reduce greenhouse gas emissions and improve air quality.	Consistent. The Project would result in criteria air pollutant and GHG emissions during construction and operation. However, emissions would not exceed the SCAQMD significance thresholds. The Project would also support the use and storage of renewable energy sources.
Adapt to a changing climate and support an integrated regional development pattern and transportation network.	Consistent. The Project would support the use and storage of renewable energy sources, supporting the adaptation to a changing climate.
Promote conservation of natural and agricultural lands and restoration of habitats.	Consistent. The Project would not impact natural lands during construction or operation.

Source: SCAG 2020.

Notes: SCAG = Southern California Association of Governments; RTP/SCS = Regional Transportation Plan/Sustainable Communities Strategy.

As shown in Table 12, the Project would be consistent with all applicable measures within the SCAG Connect SoCal RTP/SCS.

Consistency with the California Air Resources Board Scoping Plan

The California Air Resources Board (CARB) Scoping Plan (approved by CARB in 2008 and updated in 2014 and 2017) provides a framework for actions to reduce California’s GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHG emissions. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.⁴ It does provide recommendations for lead agencies to develop evidence-based numeric thresholds consistent with the Scoping Plan, the state’s long-term GHG goals, and climate change science. Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California’s GHG emissions. Table 13 highlights measures that have been, or will be, developed under the Scoping Plan and presents the Project’s consistency with Scoping Plan measures. The Project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the Project.

⁴ The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that “[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan” (CNRA 2009).

Table 13. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Transportation Sector		
Advanced Clean Cars	T-1	Consistent. The Project’s employees would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
Low Carbon Fuel Standard	T-2	Consistent. Motor vehicles driven by the Project’s employees would use compliant fuels.
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	Consistent. The Project would be constructed in accordance with CALGreen and Title 24 building standards.
Energy Efficiency (Natural Gas)	CR-1	Consistent. The Project would be constructed in accordance with CALGreen and Title 24 building standards.
Renewables Portfolio Standard (33% by 2020)	E-3	Consistent. The Project would support the development of renewable energy through energy storage.
Renewables Portfolio Standard (50% by 2050)	N/A	Consistent. The Project would support the development of renewable energy through energy storage.
Recycling and Waste Management Sector		
Mandatory Commercial Recycling	RW-3	Consistent. The Project would include recycling during both construction and operation.
High GWP Gases Sector		
SF ₆ Leak Reduction Gas Insulated Switchgear	H-6	Consistent. The Project would not use SF ₆ in its switchgear or substation equipment.

Source: CARB 2008, 2017.

Notes: GHG = greenhouse gas; CARB = California Air Resources Board; N/A = not applicable; VMT = vehicle miles traveled; CALGreen = California Green Building Standards; SB = Senate Bill; GWP = global warming potential; SF₆ = sulfur hexafluoride.

Based on the analysis in Table 13, the Project would be consistent with the applicable strategies and measures in the Scoping Plan.

The Project would not impede the attainment of the GHG reduction goals for 2030 or 2050 identified in Executive Order (EO) S-03-05 and SB 32. EO S-03-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes for a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. While there are no established protocols or thresholds of significance for that future year analysis, CARB forecasts that compliance with the current Scoping Plan puts the state on a trajectory toward meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

To begin, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan that “California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32” (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the First Update to the Climate Change Scoping Plan states the following (CARB 2014):

This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and EO S-03-05. This is confirmed in the Second Update (CARB 2017), which states:

The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasibility and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB 32, and AB 197.

As discussed previously, the Project is consistent with the GHG emission reduction measures in the Scoping Plan and would not conflict with the state’s trajectory toward future GHG reductions. In addition, since the specific path to compliance for the state in regard to the long-term goals will likely require development of technology or other changes that are not currently known or available, specific additional mitigation measures for the Project would be speculative and cannot be identified at this time. The Project’s consistency would assist in meeting the City’s contribution to GHG emission reduction targets in California. With respect to future GHG targets under SB 32 and EO S-03-05, CARB has also made clear its legal interpretation is that it has the requisite authority to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet SB 32’s 40% reduction target by 2030 and EO S-03-05’s 80% reduction target by 2050; this legal interpretation by an expert agency provides evidence that future regulations will be adopted to allow the state to continue on its trajectory toward meeting these future GHG targets. Based on the considerations previously outlined, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and no mitigation is required. Therefore, the Project’s impact associated with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs would be less than significant.

5 Conclusions

Criteria air pollutant emissions generated during construction and operation of the Project would not exceed SCAQMD’s significance thresholds or result in a cumulatively considerable net increase in emissions after implementation of Mitigation Measure AQ-1. Similarly, the emissions would also not exceed the LST significance thresholds for sensitive receptors during construction, generate substantial TAC emissions, or create a CO hotspot.

Ms. Patti Murphy

Subject: *Desert Peak Energy Center Project – Phase I – Air Quality and Greenhouse Gas Emissions Study*

Estimated total GHG emissions generated during operation, including amortized construction emissions, would be below SCAQMD's threshold of 3,000 MT CO₂e per year. The Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, as there are currently no mandatory GHG regulations or finalized agency guidelines that would apply to implementation of this Project. Accordingly, potential cumulative GHG impacts would be less than significant.

Overall, the Project would not result in significant impacts to air quality or GHG emissions.

Sincerely,



Adam Poll, QEP, LEED AP BD+C
Senior Air Quality Specialist

Cc: *Jennifer Sucha, Dudek*

Att: *A – CalEEMod Emissions Outputs*

B – Desert Peak Energy Center Project – Phase I – Construction Health Risk Assessment

6 References

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Attachment A

CalEEMod Emissions Outputs

Table of Contents

Annual	2
Summer	49
Winter	91
Annual Mit	133
Summer Mit	180
Winter Mit	222
Summer	264
Winter	306
Summer Mit	348
Winter Mit	390

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project - Noble Site
Salton Sea Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

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Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,430.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
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tblTripsAndVMT	VendorTripNumber	56.00	6.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
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tblTripsAndVMT	WorkerTripNumber	144.00	16.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3287	4.4072	3.1283	0.0130	7.6842	0.1496	7.8338	0.9361	0.1416	1.0777	0.0000	1,203.490 4	1,203.490 4	0.1010	0.1198	1,241.727 7
2023	0.5979	6.0886	6.0428	0.0152	1.3816	0.2734	1.6550	0.1756	0.2552	0.4307	0.0000	1,362.794 7	1,362.794 7	0.2612	0.0535	1,385.265 1
Maximum	0.5979	6.0886	6.0428	0.0152	7.6842	0.2734	7.8338	0.9361	0.2552	1.0777	0.0000	1,362.794 7	1,362.794 7	0.2612	0.1198	1,385.265 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2247	3.7913	3.3590	0.0130	4.7609	0.0838	4.8447	0.5776	0.0800	0.6576	0.0000	1,203.489 9	1,203.489 9	0.1010	0.1198	1,241.727 2
2023	0.4067	4.8752	6.6083	0.0152	0.9263	0.1582	1.0844	0.1300	0.1484	0.2784	0.0000	1,362.793 5	1,362.793 5	0.2612	0.0535	1,385.264 0
Maximum	0.4067	4.8752	6.6083	0.0152	4.7609	0.1582	4.8447	0.5776	0.1484	0.6576	0.0000	1,362.793 5	1,362.793 5	0.2612	0.1198	1,385.264 0

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.86	17.43	-8.68	0.00	37.27	42.81	37.52	36.35	42.46	37.95	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	2.9840	2.4651
2	9-1-2022	11-30-2022	2.0614	1.7250
3	12-1-2022	2-28-2023	2.3460	1.9127
4	3-1-2023	5-31-2023	2.6786	2.1023
5	6-1-2023	8-31-2023	2.2957	1.8008
		Highest	2.9840	2.4651

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,424.861 2	2,424.861 2	0.2047	0.0248	2,437.370 7
Mobile	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776
Offroad	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7000e-004	9.2300e-003	6.4500e-003	4.0000e-005	0.9177	1.6000e-004	0.9178	0.0916	1.5000e-004	0.0918	0.0000	2,429.130 4	2,429.130 4	0.2048	0.0254	2,441.803 8

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,424.861 2	2,424.861 2	0.2047	0.0248	2,437.370 7
Mobile	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776
Offroad	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7000e-004	9.2300e-003	6.4500e-003	4.0000e-005	0.9177	1.6000e-004	0.9178	0.0916	1.5000e-004	0.0918	0.0000	2,429.130 4	2,429.130 4	0.2048	0.0254	2,441.803 8

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3	Trenching	Trenching	6/15/2022	7/14/2022	5	22
4	Grading	Grading	7/15/2022	8/15/2022	5	22
5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20
Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	12	20.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	10.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	22	60.00	6.00	1,430.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	60.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4100e-003	0.1089	0.0688	1.8000e-004		3.9300e-003	3.9300e-003		3.6200e-003	3.6200e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9911
Total	9.4100e-003	0.1089	0.0688	1.8000e-004	5.3000e-003	3.9300e-003	9.2300e-003	5.7000e-004	3.6200e-003	4.1900e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9911

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	4.0000e-004	1.8000e-004	0.0000	6.5200e-003	0.0000	6.5300e-003	6.6000e-004	0.0000	6.7000e-004	0.0000	0.1640	0.1640	0.0000	2.0000e-005	0.1709
Worker	3.6000e-004	2.6000e-004	3.1700e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7057	0.7057	2.0000e-005	2.0000e-005	0.7125
Total	3.8000e-004	6.6000e-004	3.3500e-003	1.0000e-005	7.4000e-003	0.0000	7.4100e-003	8.9000e-004	0.0000	9.1000e-004	0.0000	0.8697	0.8697	2.0000e-005	4.0000e-005	0.8833

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2700e-003	0.1080	0.0716	1.8000e-004		3.2100e-003	3.2100e-003		3.0000e-003	3.0000e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9910
Total	8.2700e-003	0.1080	0.0716	1.8000e-004	2.3900e-003	3.2100e-003	5.6000e-003	2.6000e-004	3.0000e-003	3.2600e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9910

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	4.0000e-004	1.8000e-004	0.0000	4.0100e-003	0.0000	4.0200e-003	4.1000e-004	0.0000	4.2000e-004	0.0000	0.1640	0.1640	0.0000	2.0000e-005	0.1709
Worker	3.6000e-004	2.6000e-004	3.1700e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7057	0.7057	2.0000e-005	2.0000e-005	0.7125
Total	3.8000e-004	6.6000e-004	3.3500e-003	1.0000e-005	4.8900e-003	0.0000	4.9000e-003	6.4000e-004	0.0000	6.6000e-004	0.0000	0.8697	0.8697	2.0000e-005	4.0000e-005	0.8833

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1442	0.0000	0.1442	0.0741	0.0000	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2303	0.1280	2.6000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	22.5182	22.5182	7.2800e-003	0.0000	22.7002
Total	0.0220	0.2303	0.1280	2.6000e-004	0.1442	0.0112	0.1553	0.0741	0.0103	0.0844	0.0000	22.5182	22.5182	7.2800e-003	0.0000	22.7002

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	0.0156	2.0000e-005	0.0156	1.7700e-003	2.0000e-005	1.8000e-003	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0649	0.0000	0.0649	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-003	0.0793	0.1512	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	22.5181	22.5181	7.2800e-003	0.0000	22.7002
Total	4.6000e-003	0.0793	0.1512	2.6000e-004	0.0649	4.2000e-004	0.0653	0.0333	4.2000e-004	0.0338	0.0000	22.5181	22.5181	7.2800e-003	0.0000	22.7002

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	0.0100	2.0000e-005	0.0101	1.2200e-003	2.0000e-005	1.2400e-003	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1112	0.1064	1.4000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388
Total	0.0116	0.1112	0.1064	1.4000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	0.0156	2.0000e-005	0.0156	1.7700e-003	2.0000e-005	1.8000e-003	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5400e-003	0.1042	0.1087	1.4000e-004		5.3800e-003	5.3800e-003		4.9600e-003	4.9600e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388
Total	9.5400e-003	0.1042	0.1087	1.4000e-004		5.3800e-003	5.3800e-003		4.9600e-003	4.9600e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	0.0100	2.0000e-005	0.0101	1.2200e-003	2.0000e-005	1.2400e-003	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	2.4700e-003	0.0000	2.4700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2830	0.1969	4.7000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	40.6577	40.6577	0.0130	0.0000	40.9827
Total	0.0252	0.2830	0.1969	4.7000e-004	0.0197	0.0111	0.0307	2.4700e-003	0.0102	0.0127	0.0000	40.6577	40.6577	0.0130	0.0000	40.9827

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	3.2959	7.0900e-003	3.3029	0.3439	6.7800e-003	0.3507	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	9.9000e-004	7.1000e-004	8.7200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9407	1.9407	6.0000e-005	6.0000e-005	1.9593
Total	0.0163	0.6390	0.1625	2.8600e-003	3.3126	7.1100e-003	3.3197	0.3460	6.8000e-003	0.3528	0.0000	275.6764	275.6764	1.9500e-003	0.0431	288.5728

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.8500e-003	0.0000	8.8500e-003	1.1100e-003	0.0000	1.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2811	0.2032	4.7000e-004		9.4700e-003	9.4700e-003		8.8200e-003	8.8200e-003	0.0000	40.6577	40.6577	0.0130	0.0000	40.9826
Total	0.0227	0.2811	0.2032	4.7000e-004	8.8500e-003	9.4700e-003	0.0183	1.1100e-003	8.8200e-003	9.9300e-003	0.0000	40.6577	40.6577	0.0130	0.0000	40.9826

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	2.0511	7.0900e-003	2.0582	0.2194	6.7800e-003	0.2262	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	9.9000e-004	7.1000e-004	8.7200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9407	1.9407	6.0000e-005	6.0000e-005	1.9593
Total	0.0163	0.6390	0.1625	2.8600e-003	2.0623	7.1100e-003	2.0694	0.2210	6.8000e-003	0.2278	0.0000	275.6764	275.6764	1.9500e-003	0.0431	288.5728

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1521	0.0000	0.1521	0.0753	0.0000	0.0753	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0257	0.2683	0.1690	3.1000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8127
Total	0.0257	0.2683	0.1690	3.1000e-004	0.1521	0.0134	0.1655	0.0753	0.0123	0.0876	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8127

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	3.2959	7.0900e-003	3.3029	0.3439	6.7800e-003	0.3507	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	0.0158	0.6386	0.1581	2.8500e-003	3.3114	7.1100e-003	3.3185	0.3457	6.8000e-003	0.3525	0.0000	274.7060	274.7060	1.9200e-003	0.0431	287.5931

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0685	0.0000	0.0685	0.0339	0.0000	0.0339	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.1172	0.1921	3.1000e-004		2.6100e-003	2.6100e-003		2.4300e-003	2.4300e-003	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8126
Total	8.2600e-003	0.1172	0.1921	3.1000e-004	0.0685	2.6100e-003	0.0711	0.0339	2.4300e-003	0.0363	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8126

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	2.0511	7.0900e-003	2.0582	0.2194	6.7800e-003	0.2262	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	0.0158	0.6386	0.1581	2.8500e-003	2.0611	7.1100e-003	2.0682	0.2206	6.8000e-003	0.2274	0.0000	274.7060	274.7060	1.9200e-003	0.0431	287.5931

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1797	1.6659	1.9496	3.3700e-003		0.0814	0.0814		0.0781	0.0781	0.0000	291.9453	291.9453	0.0563	0.0000	293.3537
Total	0.1797	1.6659	1.9496	3.3700e-003		0.0814	0.0814		0.0781	0.0781	0.0000	291.9453	291.9453	0.0563	0.0000	293.3537

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6400e-003	0.3355	0.0413	1.6700e-003	0.4892	4.3800e-003	0.4936	0.0583	4.1900e-003	0.0625	0.0000	161.1143	161.1143	1.0100e-003	0.0254	168.6925
Vendor	3.5200e-003	0.0994	0.0219	5.6000e-004	0.1818	1.8000e-003	0.1836	0.0221	1.7300e-003	0.0238	0.0000	53.8461	53.8461	3.0000e-004	7.4700e-003	56.0785
Worker	0.0104	7.4200e-003	0.0915	2.2000e-004	0.0253	1.3000e-004	0.0255	6.7300e-003	1.2000e-004	6.8500e-003	0.0000	20.3772	20.3772	5.8000e-004	6.1000e-004	20.5723
Total	0.0196	0.4423	0.1547	2.4500e-003	0.6963	6.3100e-003	0.7026	0.0871	6.0400e-003	0.0932	0.0000	235.3375	235.3375	1.8900e-003	0.0334	245.3433

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1172	1.3647	2.1211	3.3700e-003		0.0419	0.0419		0.0405	0.0405	0.0000	291.9450	291.9450	0.0563	0.0000	293.3533
Total	0.1172	1.3647	2.1211	3.3700e-003		0.0419	0.0419		0.0405	0.0405	0.0000	291.9450	291.9450	0.0563	0.0000	293.3533

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6400e-003	0.3355	0.0413	1.6700e-003	0.3205	4.3800e-003	0.3248	0.0414	4.1900e-003	0.0456	0.0000	161.1143	161.1143	1.0100e-003	0.0254	168.6925
Vendor	3.5200e-003	0.0994	0.0219	5.6000e-004	0.1195	1.8000e-003	0.1213	0.0159	1.7300e-003	0.0176	0.0000	53.8461	53.8461	3.0000e-004	7.4700e-003	56.0785
Worker	0.0104	7.4200e-003	0.0915	2.2000e-004	0.0253	1.3000e-004	0.0255	6.7300e-003	1.2000e-004	6.8500e-003	0.0000	20.3772	20.3772	5.8000e-004	6.1000e-004	20.5723
Total	0.0196	0.4423	0.1547	2.4500e-003	0.4653	6.3100e-003	0.4716	0.0640	6.0400e-003	0.0700	0.0000	235.3375	235.3375	1.8900e-003	0.0334	245.3433

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0240	0.2192	0.2775	4.8000e-004		0.0102	0.0102		9.8000e-003	9.8000e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9113
Total	0.0240	0.2192	0.2775	4.8000e-004		0.0102	0.0102		9.8000e-003	9.8000e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9113

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0383	5.3100e-003	2.3000e-004	0.0699	5.4000e-004	0.0704	8.3200e-003	5.1000e-004	8.8400e-003	0.0000	22.1258	22.1258	1.4000e-004	3.4800e-003	23.1665
Vendor	3.1000e-004	0.0104	2.3200e-003	8.0000e-005	0.0260	1.3000e-004	0.0261	3.1600e-003	1.3000e-004	3.2900e-003	0.0000	7.4348	7.4348	3.0000e-005	1.0200e-003	7.7403
Worker	1.3800e-003	9.3000e-004	0.0119	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8168	2.8168	7.0000e-005	8.0000e-005	2.8424
Total	2.1900e-003	0.0496	0.0196	3.4000e-004	0.0995	6.9000e-004	0.1002	0.0124	6.6000e-004	0.0131	0.0000	32.3774	32.3774	2.4000e-004	4.5800e-003	33.7491

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1872	0.3029	4.8000e-004		5.3600e-003	5.3600e-003		5.1800e-003	5.1800e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9112
Total	0.0160	0.1872	0.3029	4.8000e-004		5.3600e-003	5.3600e-003		5.1800e-003	5.1800e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9112

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0383	5.3100e-003	2.3000e-004	0.0458	5.4000e-004	0.0463	5.9100e-003	5.1000e-004	6.4300e-003	0.0000	22.1258	22.1258	1.4000e-004	3.4800e-003	23.1665
Vendor	3.1000e-004	0.0104	2.3200e-003	8.0000e-005	0.0171	1.3000e-004	0.0172	2.2700e-003	1.3000e-004	2.4000e-003	0.0000	7.4348	7.4348	3.0000e-005	1.0200e-003	7.7403
Worker	1.3800e-003	9.3000e-004	0.0119	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8168	2.8168	7.0000e-005	8.0000e-005	2.8424
Total	2.1900e-003	0.0496	0.0196	3.4000e-004	0.0665	6.9000e-004	0.0672	9.1400e-003	6.6000e-004	9.8100e-003	0.0000	32.3774	32.3774	2.4000e-004	4.5800e-003	33.7491

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7400e-003	0.0162	0.0203	3.0000e-005		8.7000e-004	8.7000e-004		8.3000e-004	8.3000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287
Total	1.7400e-003	0.0162	0.0203	3.0000e-005		8.7000e-004	8.7000e-004		8.3000e-004	8.3000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	2.4000e-004	1.1000e-004	0.0000	3.9100e-003	0.0000	3.9200e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.0984	0.0984	0.0000	1.0000e-005	0.1025
Worker	1.1000e-004	8.0000e-005	9.5000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2117	0.2117	1.0000e-005	1.0000e-005	0.2137
Total	1.2000e-004	3.2000e-004	1.0600e-003	0.0000	4.1700e-003	0.0000	4.1800e-003	4.7000e-004	0.0000	4.7000e-004	0.0000	0.3101	0.3101	1.0000e-005	2.0000e-005	0.3163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.3000e-004	0.0135	0.0218	3.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287
Total	8.3000e-004	0.0135	0.0218	3.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	2.4000e-004	1.1000e-004	0.0000	2.4100e-003	0.0000	2.4100e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0984	0.0984	0.0000	1.0000e-005	0.1025
Worker	1.1000e-004	8.0000e-005	9.5000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2117	0.2117	1.0000e-005	1.0000e-005	0.2137
Total	1.2000e-004	3.2000e-004	1.0600e-003	0.0000	2.6700e-003	0.0000	2.6700e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.3101	0.3101	1.0000e-005	2.0000e-005	0.3163

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1400e-003	0.0572	0.0777	1.2000e-004		2.8600e-003	2.8600e-003		2.7500e-003	2.7500e-003	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463
Total	6.1400e-003	0.0572	0.0777	1.2000e-004		2.8600e-003	2.8600e-003		2.7500e-003	2.7500e-003	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.6000e-004	4.0000e-004	0.0000	0.0150	1.0000e-005	0.0150	1.5200e-003	1.0000e-005	1.5300e-003	0.0000	0.3646	0.3646	0.0000	5.0000e-005	0.3799
Worker	3.8000e-004	2.6000e-004	3.3200e-003	1.0000e-005	1.0100e-003	0.0000	1.0100e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.7853	0.7853	2.0000e-005	2.0000e-005	0.7924
Total	4.1000e-004	1.0200e-003	3.7200e-003	1.0000e-005	0.0160	1.0000e-005	0.0160	1.7900e-003	1.0000e-005	1.8000e-003	0.0000	1.1499	1.1499	2.0000e-005	7.0000e-005	1.1723

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0700e-003	0.0508	0.0835	1.2000e-004		6.7000e-004	6.7000e-004		6.3000e-004	6.3000e-004	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463
Total	3.0700e-003	0.0508	0.0835	1.2000e-004		6.7000e-004	6.7000e-004		6.3000e-004	6.3000e-004	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.6000e-004	4.0000e-004	0.0000	9.2300e-003	1.0000e-005	9.2400e-003	9.4000e-004	1.0000e-005	9.5000e-004	0.0000	0.3646	0.3646	0.0000	5.0000e-005	0.3799
Worker	3.8000e-004	2.6000e-004	3.3200e-003	1.0000e-005	1.0100e-003	0.0000	1.0100e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.7853	0.7853	2.0000e-005	2.0000e-005	0.7924
Total	4.1000e-004	1.0200e-003	3.7200e-003	1.0000e-005	0.0102	1.0000e-005	0.0103	1.2100e-003	1.0000e-005	1.2200e-003	0.0000	1.1499	1.1499	2.0000e-005	7.0000e-005	1.1723

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5500e-003	0.0287	0.0339	6.0000e-005		1.3800e-003	1.3800e-003		1.3500e-003	1.3500e-003	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307
Total	3.5500e-003	0.0287	0.0339	6.0000e-005		1.3800e-003	1.3800e-003		1.3500e-003	1.3500e-003	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	9.0000e-005	0.0000	3.2600e-003	0.0000	3.2600e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0793	0.0793	0.0000	1.0000e-005	0.0826
Worker	1.7000e-004	1.1000e-004	1.4500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3414	0.3414	1.0000e-005	1.0000e-005	0.3445
Total	1.8000e-004	2.7000e-004	1.5400e-003	0.0000	3.7000e-003	0.0000	3.7000e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.4207	0.4207	1.0000e-005	2.0000e-005	0.4271

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7700e-003	0.0250	0.0364	6.0000e-005		8.9000e-004	8.9000e-004		8.8000e-004	8.8000e-004	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307
Total	2.7700e-003	0.0250	0.0364	6.0000e-005		8.9000e-004	8.9000e-004		8.8000e-004	8.8000e-004	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	9.0000e-005	0.0000	2.0100e-003	0.0000	2.0100e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0793	0.0793	0.0000	1.0000e-005	0.0826
Worker	1.7000e-004	1.1000e-004	1.4500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3414	0.3414	1.0000e-005	1.0000e-005	0.3445
Total	1.8000e-004	2.7000e-004	1.5400e-003	0.0000	2.4500e-003	0.0000	2.4500e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.4207	0.4207	1.0000e-005	2.0000e-005	0.4271

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5276	5.2353	5.3536	0.0101		0.2519	0.2519		0.2345	0.2345	0.0000	884.8220	884.8220	0.2480	0.0000	891.0227
Total	0.5276	5.2353	5.3536	0.0101		0.2519	0.2519		0.2345	0.2345	0.0000	884.8220	884.8220	0.2480	0.0000	891.0227

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.4841	0.1084	3.6300e-003	1.2118	6.1700e-003	1.2179	0.1474	5.9100e-003	0.1533	0.0000	346.9553	346.9553	1.6200e-003	0.0477	361.2123
Worker	0.0193	0.0131	0.1669	4.3000e-004	0.0507	2.5000e-004	0.0509	0.0135	2.3000e-004	0.0137	0.0000	39.4358	39.4358	1.0400e-003	1.1100e-003	39.7933
Total	0.0339	0.4972	0.2753	4.0600e-003	1.2624	6.4200e-003	1.2689	0.1609	6.1400e-003	0.1670	0.0000	386.3911	386.3911	2.6600e-003	0.0488	401.0056

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3482	4.0642	5.8855	0.0101		0.1441	0.1441		0.1349	0.1349	0.0000	884.8210	884.8210	0.2480	0.0000	891.0217
Total	0.3482	4.0642	5.8855	0.0101		0.1441	0.1441		0.1349	0.1349	0.0000	884.8210	884.8210	0.2480	0.0000	891.0217

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.4841	0.1084	3.6300e-003	0.7964	6.1700e-003	0.8026	0.1059	5.9100e-003	0.1118	0.0000	346.9553	346.9553	1.6200e-003	0.0477	361.2123
Worker	0.0193	0.0131	0.1669	4.3000e-004	0.0507	2.5000e-004	0.0509	0.0135	2.3000e-004	0.0137	0.0000	39.4358	39.4358	1.0400e-003	1.1100e-003	39.7933
Total	0.0339	0.4972	0.2753	4.0600e-003	0.8471	6.4200e-003	0.8535	0.1193	6.1400e-003	0.1255	0.0000	386.3911	386.3911	2.6600e-003	0.0488	401.0056

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776
Unmitigated	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	1.36731e+007	2,424.8612	0.2047	0.0248	2,437.3707
Total		2,424.8612	0.2047	0.0248	2,437.3707

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	1.36731e+007	2,424.8612	0.2047	0.0248	2,437.3707
Total		2,424.8612	0.2047	0.0248	2,437.3707

6.0 Area Detail

6.1 Mitigation Measures Area

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Cranes	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Total	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project - Noble Site
Salton Sea Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,430.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	6.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblTripsAndVMT	WorkerTripNumber	144.00	8.00
tblTripsAndVMT	WorkerTripNumber	144.00	16.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.8624	80.2996	62.4914	0.3027	331.9438	2.5687	333.8035	39.9853	2.4643	41.7199	0.0000	31,706.0184	31,706.0184	1.8690	4.3183	33,030.3601
2023	9.4322	90.6730	95.1413	0.2226	20.4786	4.1567	24.4099	2.5262	3.9061	6.4322	0.0000	21,862.2433	21,862.2433	3.9965	0.9250	22,174.8895
Maximum	9.4322	90.6730	95.1413	0.3027	331.9438	4.1567	333.8035	39.9853	3.9061	41.7199	0.0000	31,706.0184	31,706.0184	3.9965	4.3183	33,030.3601

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.9359	80.1248	67.4294	0.3027	204.0834	1.5073	204.9662	24.1952	1.4204	25.0341	0.0000	31,706.0184	31,706.0184	1.8690	4.3183	33,030.3601
2023	6.5213	73.3978	103.5533	0.2226	13.5995	2.3728	15.8581	1.8494	2.2404	4.0898	0.0000	21,862.2432	21,862.2432	3.9965	0.9250	22,174.8895
Maximum	6.5213	80.1248	103.5533	0.3027	204.0834	2.3728	204.9662	24.1952	2.2404	25.0341	0.0000	31,706.0184	31,706.0184	3.9965	4.3183	33,030.3601

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.63	10.21	-8.47	0.00	38.23	42.31	38.35	38.74	42.53	39.52	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	20.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	10.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	60.00	6.00	1,430.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	60.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0873	0.0511	0.7999	1.6900e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		170.7599	170.7599	4.6800e-003	4.6300e-003	172.2559
Total	0.0911	0.1274	0.8360	2.0300e-003	1.5572	1.9000e-003	1.5591	0.1869	1.7900e-003	0.1887		206.8797	206.8797	4.9700e-003	9.7100e-003	209.8980

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.8489	9.9000e-004	0.8499	0.0867	9.5000e-004	0.0876		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0873	0.0511	0.7999	1.6900e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		170.7599	170.7599	4.6800e-003	4.6300e-003	172.2559
Total	0.0911	0.1274	0.8360	2.0300e-003	1.0265	1.9000e-003	1.0284	0.1338	1.7900e-003	0.1356		206.8797	206.8797	4.9700e-003	9.7100e-003	209.8980

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	1.4906	1.5600e-003	1.4922	0.1692	1.4700e-003	0.1707		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.8489	9.9000e-004	0.8499	0.0867	9.5000e-004	0.0876		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	0.9599	1.5600e-003	0.9615	0.1161	1.4700e-003	0.1176		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	1.4906	1.5600e-003	1.4922	0.1692	1.4700e-003	0.1707		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.8489	9.9000e-004	0.8499	0.0867	9.5000e-004	0.0876		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	0.9599	1.5600e-003	0.9615	0.1161	1.4700e-003	0.1176		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	316.6218	0.6442	317.2661	32.9711	0.6164	33.5874		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.1091	0.0639	0.9999	2.1100e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		213.4499	213.4499	5.8400e-003	5.7800e-003	215.3199
Total	1.5377	54.5716	14.8037	0.2604	318.2234	0.6464	318.8698	33.1697	0.6184	33.7881		27,631.7051	27,631.7051	0.1970	4.3183	28,923.4825

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	196.8994	0.6442	197.5437	20.9988	0.6164	21.6152		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.8489	9.9000e-004	0.8499	0.0867	9.5000e-004	0.0876		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.1091	0.0639	0.9999	2.1100e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		213.4499	213.4499	5.8400e-003	5.7800e-003	215.3199
Total	1.5377	54.5716	14.8037	0.2604	197.9703	0.6464	198.6167	21.1444	0.6184	21.7628		27,631.7051	27,631.7051	0.1970	4.3183	28,923.4825

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.7562	2,764.7562	0.8942		2,787.1107
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.7562	2,764.7562	0.8942		2,787.1107

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	316.6218	0.6442	317.2661	32.9711	0.6164	33.5874		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	1.4831	54.5397	14.3037	0.2593	318.1124	0.6458	318.7582	33.1403	0.6178	33.7581		27,524.9802	27,524.9802	0.1941	4.3154	28,815.8225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	196.8994	0.6442	197.5437	20.9988	0.6164	21.6152		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.8489	9.9000e-004	0.8499	0.0867	9.5000e-004	0.0876		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	1.4831	54.5397	14.3037	0.2593	197.8593	0.6458	198.5051	21.1149	0.6178	21.7328		27,524.9802	27,524.9802	0.1941	4.3154	28,815.8225

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1479	8.1409	1.0656	0.0434	13.3757	0.1138	13.4895	1.5823	0.1089	1.6912		4,612.4809	4,612.4809	0.0289	0.7256	4,829.4329
Vendor	0.0932	2.4036	0.5710	0.0146	4.9684	0.0469	5.0153	0.5998	0.0448	0.6446		1,541.6202	1,541.6202	8.5700e-003	0.2134	1,605.4283
Worker	0.3272	0.1917	2.9995	6.3400e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		640.3496	640.3496	0.0175	0.0174	645.9596
Total	0.5683	10.7362	4.6362	0.0644	19.0103	0.1641	19.1743	2.3588	0.1569	2.5157		6,794.4507	6,794.4507	0.0550	0.9564	7,080.8207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1479	8.1409	1.0656	0.0434	8.7392	0.1138	8.8530	1.1187	0.1089	1.2276		4,612.4809	4,612.4809	0.0289	0.7256	4,829.4329
Vendor	0.0932	2.4036	0.5710	0.0146	3.2565	0.0469	3.3034	0.4286	0.0448	0.4734		1,541.6202	1,541.6202	8.5700e-003	0.2134	1,605.4283
Worker	0.3272	0.1917	2.9995	6.3400e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		640.3496	640.3496	0.0175	0.0174	645.9596
Total	0.5683	10.7362	4.6362	0.0644	12.6618	0.1641	12.8259	1.7240	0.1569	1.8808		6,794.4507	6,794.4507	0.0550	0.9564	7,080.8207

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0926	6.5082	0.9612	0.0417	13.3757	0.0975	13.4732	1.5823	0.0933	1.6757		4,433.6799	4,433.6799	0.0272	0.6975	4,642.2211
Vendor	0.0584	1.7570	0.4237	0.0141	4.9684	0.0241	4.9925	0.5998	0.0230	0.6228		1,489.9388	1,489.9388	6.9800e-003	0.2045	1,551.0660
Worker	0.3026	0.1690	2.7324	6.1300e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4537	8.4342	4.1173	0.0620	19.0102	0.1248	19.1350	2.3588	0.1193	2.4781		6,543.0609	6,543.0609	0.0499	0.9180	6,817.8714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0926	6.5082	0.9612	0.0417	8.7392	0.0975	8.8368	1.1187	0.0933	1.2120		4,433.679 9	4,433.679 9	0.0272	0.6975	4,642.221 1
Vendor	0.0584	1.7570	0.4237	0.0141	3.2565	0.0241	3.2806	0.4286	0.0230	0.4516		1,489.938 8	1,489.938 8	6.9800e- 003	0.2045	1,551.066 0
Worker	0.3026	0.1690	2.7324	6.1300e- 003	0.6661	3.1900e- 003	0.6693	0.1767	2.9400e- 003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4537	8.4342	4.1173	0.0620	12.6618	0.1248	12.7866	1.7240	0.1193	1.8432		6,543.060 9	6,543.060 9	0.0499	0.9180	6,817.871 4

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.296 6	1,035.296 6	0.1629		1,039.370 0
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.296 6	1,035.296 6	0.1629		1,039.370 0

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0436	0.0256	0.3999	8.4000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		85.3800	85.3800	2.3400e-003	2.3100e-003	86.1279
Total	0.0475	0.1018	0.4361	1.1800e-003	1.4684	1.4500e-003	1.4698	0.1633	1.3700e-003	0.1647		121.4998	121.4998	2.6300e-003	7.3900e-003	123.7701

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.8489	9.9000e-004	0.8499	0.0867	9.5000e-004	0.0876		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0436	0.0256	0.3999	8.4000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		85.3800	85.3800	2.3400e-003	2.3100e-003	86.1279
Total	0.0475	0.1018	0.4361	1.1800e-003	0.9377	1.4500e-003	0.9391	0.1102	1.3700e-003	0.1116		121.4998	121.4998	2.6300e-003	7.3900e-003	123.7701

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0404	0.0225	0.3643	8.2000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		82.5923	82.5923	2.0900e-003	2.1300e-003	83.2779
Total	0.0435	0.0848	0.3985	1.1500e-003	1.4684	9.4000e-004	1.4693	0.1633	8.8000e-004	0.1642		117.4932	117.4932	2.3500e-003	7.0100e-003	119.6389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.9000e-004	0.0872		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0404	0.0225	0.3643	8.2000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		82.5923	82.5923	2.0900e-003	2.1300e-003	83.2779
Total	0.0435	0.0848	0.3985	1.1500e-003	0.9377	9.4000e-004	0.9386	0.1102	8.8000e-004	0.1111		117.4932	117.4932	2.3500e-003	7.0100e-003	119.6389

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0807	0.0451	0.7286	1.6300e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		165.1846	165.1846	4.1700e-003	4.2500e-003	166.5558
Total	0.0838	0.1073	0.7628	1.9600e-003	1.5572	1.3600e-003	1.5586	0.1869	1.2700e-003	0.1881		200.0855	200.0855	4.4300e-003	9.1300e-003	202.9168

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.9000e-004	0.0872		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0807	0.0451	0.7286	1.6300e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		165.1846	165.1846	4.1700e-003	4.2500e-003	166.5558
Total	0.0838	0.1073	0.7628	1.9600e-003	1.0265	1.3600e-003	1.0279	0.1338	1.2700e-003	0.1351		200.0855	200.0855	4.4300e-003	9.1300e-003	202.9168

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1947	5.8565	1.4122	0.0471	16.5615	0.0802	16.6416	1.9994	0.0767	2.0761		4,966.4627	4,966.4627	0.0233	0.6818	5,170.2201
Worker	0.3026	0.1690	2.7324	6.1300e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4973	6.0255	4.1446	0.0533	17.2276	0.0834	17.3109	2.1760	0.0796	2.2557		5,585.9048	5,585.9048	0.0389	0.6977	5,794.8043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.8742	12,666.8742	3.5507		12,755.6417
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.8742	12,666.8742	3.5507		12,755.6417

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1947	5.8565	1.4122	0.0471	10.8550	0.0802	10.9352	1.4287	0.0767	1.5054		4,966.4627	4,966.4627	0.0233	0.6818	5,170.2201
Worker	0.3026	0.1690	2.7324	6.1300e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4973	6.0255	4.1446	0.0533	11.5211	0.0834	11.6045	1.6054	0.0796	1.6850		5,585.9048	5,585.9048	0.0389	0.6977	5,794.8043

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Unmitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project - Noble Site
Salton Sea Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,430.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	6.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblTripsAndVMT	WorkerTripNumber	144.00	8.00
tblTripsAndVMT	WorkerTripNumber	144.00	16.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.7808	84.8995	61.4723	0.3027	331.9438	2.5687	333.8045	39.9853	2.4644	41.7209	0.0000	31,704.82 21	31,704.82 21	1.8687	4.3233	33,030.54 14
2023	9.3428	91.2201	93.9787	0.2213	20.4786	4.1568	24.4099	2.5262	3.9061	6.4323	0.0000	21,734.95 72	21,734.95 72	3.9954	0.9261	22,048.19 20
Maximum	9.3428	91.2201	93.9787	0.3027	331.9438	4.1568	333.8045	39.9853	3.9061	41.7209	0.0000	31,704.82 21	31,704.82 21	3.9954	4.3233	33,030.54 14

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8543	84.7246	66.4104	0.3027	204.0834	1.5083	204.9672	24.1952	1.4214	25.0351	0.0000	31,704.82 21	31,704.82 21	1.8687	4.3233	33,030.54 14
2023	6.4319	73.9449	102.3907	0.2213	13.5995	2.3729	15.8582	1.8494	2.2404	4.0898	0.0000	21,734.95 72	21,734.95 72	3.9954	0.9261	22,048.19 20
Maximum	6.4319	84.7246	102.3907	0.3027	204.0834	2.3729	204.9672	24.1952	2.2404	25.0351	0.0000	31,704.82 21	31,704.82 21	3.9954	4.3233	33,030.54 14

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.99	9.91	-8.59	0.00	38.23	42.29	38.35	38.74	42.52	39.52	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	20.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	10.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	60.00	6.00	1,430.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	60.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0690	0.0527	0.5578	1.4400e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		145.3632	145.3632	4.4800e-003	4.6900e-003	146.8739
Total	0.0726	0.1352	0.5955	1.7800e-003	1.5572	1.9100e-003	1.5591	0.1869	1.7900e-003	0.1887		181.5445	181.5445	4.7600e-003	9.8000e-003	184.5837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.8489	1.0000e-003	0.8499	0.0867	9.5000e-004	0.0876		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0690	0.0527	0.5578	1.4400e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		145.3632	145.3632	4.4800e-003	4.6900e-003	146.8739
Total	0.0726	0.1352	0.5955	1.7800e-003	1.0265	1.9100e-003	1.0284	0.1338	1.7900e-003	0.1356		181.5445	181.5445	4.7600e-003	9.8000e-003	184.5837

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	1.4906	1.5700e-003	1.4922	0.1692	1.4700e-003	0.1707		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.8489	1.0000e-003	0.8499	0.0867	9.5000e-004	0.0876		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	0.9599	1.5700e-003	0.9615	0.1161	1.4700e-003	0.1176		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	1.4906	1.5700e-003	1.4922	0.1692	1.4700e-003	0.1707		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.8489	1.0000e-003	0.8499	0.0867	9.5000e-004	0.0876		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	0.9599	1.5700e-003	0.9615	0.1161	1.4700e-003	0.1176		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	316.6218	0.6453	317.2671	32.9711	0.6173	33.5884		27,412.6235	27,412.6235	0.1868	4.3123	28,702.3616
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0862	0.0658	0.6973	1.8000e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		181.7040	181.7040	5.6100e-003	5.8700e-003	183.5924
Total	1.4275	59.1715	14.9144	0.2604	318.2234	0.6474	318.8708	33.1697	0.6193	33.7891		27,630.5088	27,630.5088	0.1927	4.3233	28,923.6638

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	196.8994	0.6453	197.5447	20.9988	0.6173	21.6162		27,412.6235	27,412.6235	0.1868	4.3123	28,702.3616
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.8489	1.0000e-003	0.8499	0.0867	9.5000e-004	0.0876		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0862	0.0658	0.6973	1.8000e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		181.7040	181.7040	5.6100e-003	5.8700e-003	183.5924
Total	1.4275	59.1715	14.9144	0.2604	197.9703	0.6474	198.6177	21.1444	0.6193	21.7637		27,630.5088	27,630.5088	0.1927	4.3233	28,923.6638

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.7562	2,764.7562	0.8942		2,787.1107
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.7562	2,764.7562	0.8942		2,787.1107

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	316.6218	0.6453	317.2671	32.9711	0.6173	33.5884		27,412.6235	27,412.6235	0.1868	4.3123	28,702.3616
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	1.3844	59.1386	14.5657	0.2595	318.1124	0.6468	318.7593	33.1403	0.6188	33.7591		27,539.6568	27,539.6568	0.1899	4.3204	28,831.8676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	196.8994	0.6453	197.5447	20.9988	0.6173	21.6162		27,412.6235	27,412.6235	0.1868	4.3123	28,702.3616
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.8489	1.0000e-003	0.8499	0.0867	9.5000e-004	0.0876		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	1.3844	59.1386	14.5657	0.2595	197.8593	0.6468	198.5061	21.1149	0.6188	21.7338		27,539.6568	27,539.6568	0.1899	4.3204	28,831.8676

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1448	8.8389	1.0794	0.0435	13.3757	0.1138	13.4896	1.5823	0.1089	1.6913		4,613.5656	4,613.5656	0.0288	0.7258	4,830.5696
Vendor	0.0926	2.6191	0.5655	0.0146	4.9684	0.0469	5.0153	0.5998	0.0448	0.6447		1,541.7873	1,541.7873	8.4700e-003	0.2139	1,605.7542
Worker	0.2587	0.1974	2.0919	5.3900e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		545.1120	545.1120	0.0168	0.0176	550.7773
Total	0.4961	11.6554	3.7367	0.0635	19.0103	0.1641	19.1744	2.3588	0.1569	2.5157		6,700.4649	6,700.4649	0.0541	0.9573	6,987.1011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1448	8.8389	1.0794	0.0435	8.7392	0.1138	8.8531	1.1187	0.1089	1.2276		4,613.5656	4,613.5656	0.0288	0.7258	4,830.5696
Vendor	0.0926	2.6191	0.5655	0.0146	3.2565	0.0469	3.3034	0.4286	0.0448	0.4735		1,541.7873	1,541.7873	8.4700e-003	0.2139	1,605.7542
Worker	0.2587	0.1974	2.0919	5.3900e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		545.1120	545.1120	0.0168	0.0176	550.7773
Total	0.4961	11.6554	3.7367	0.0635	12.6618	0.1641	12.8260	1.7240	0.1569	1.8809		6,700.4649	6,700.4649	0.0541	0.9573	6,987.1011

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0891	7.0711	0.9719	0.0418	13.3757	0.0976	13.4733	1.5823	0.0934	1.6757		4,435.5218	4,435.5218	0.0271	0.6978	4,644.1496
Vendor	0.0578	1.9158	0.4193	0.0142	4.9684	0.0241	4.9925	0.5998	0.0230	0.6228		1,490.2626	1,490.2626	6.8900e-003	0.2051	1,551.5406
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.3874	9.1607	3.3017	0.0611	19.0102	0.1248	19.1351	2.3588	0.1193	2.4781		6,453.3759	6,453.3759	0.0491	0.9190	6,728.4736

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0891	7.0711	0.9719	0.0418	8.7392	0.0976	8.8368	1.1187	0.0934	1.2120		4,435.5218	4,435.5218	0.0271	0.6978	4,644.1496
Vendor	0.0578	1.9158	0.4193	0.0142	3.2565	0.0241	3.2806	0.4286	0.0230	0.4516		1,490.2626	1,490.2626	6.8900e-003	0.2051	1,551.5406
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.3874	9.1607	3.3017	0.0611	12.6618	0.1248	12.7866	1.7240	0.1193	1.8433		6,453.3759	6,453.3759	0.0491	0.9190	6,728.4736

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0345	0.0263	0.2789	7.2000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		72.6816	72.6816	2.2400e-003	2.3500e-003	73.4370
Total	0.0381	0.1088	0.3165	1.0600e-003	1.4684	1.4600e-003	1.4698	0.1633	1.3700e-003	0.1647		108.8629	108.8629	2.5200e-003	7.4600e-003	111.1468

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.8489	1.0000e-003	0.8499	0.0867	9.5000e-004	0.0876		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0345	0.0263	0.2789	7.2000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		72.6816	72.6816	2.2400e-003	2.3500e-003	73.4370
Total	0.0381	0.1088	0.3165	1.0600e-003	0.9377	1.4600e-003	0.9391	0.1102	1.3700e-003	0.1116		108.8629	108.8629	2.5200e-003	7.4600e-003	111.1468

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0321	0.0232	0.2547	7.0000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		70.3455	70.3455	2.0100e-003	2.1500e-003	71.0378
Total	0.0349	0.0908	0.2902	1.0300e-003	1.4684	9.4000e-004	1.4693	0.1633	8.8000e-004	0.1642		105.3591	105.3591	2.2600e-003	7.0600e-003	107.5196

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.9000e-004	0.0872		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0321	0.0232	0.2547	7.0000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		70.3455	70.3455	2.0100e-003	2.1500e-003	71.0378
Total	0.0349	0.0908	0.2902	1.0300e-003	0.9377	9.4000e-004	0.9386	0.1102	8.8000e-004	0.1111		105.3591	105.3591	2.2600e-003	7.0600e-003	107.5196

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0641	0.0463	0.5095	1.3900e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		140.6911	140.6911	4.0300e-003	4.3100e-003	142.0756
Total	0.0670	0.1140	0.5449	1.7200e-003	1.5572	1.3600e-003	1.5586	0.1869	1.2700e-003	0.1881		175.7047	175.7047	4.2800e-003	9.2200e-003	178.5574

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.9000e-004	0.0872		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0641	0.0463	0.5095	1.3900e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		140.6911	140.6911	4.0300e-003	4.3100e-003	142.0756
Total	0.0670	0.1140	0.5449	1.7200e-003	1.0265	1.3600e-003	1.0279	0.1338	1.2700e-003	0.1351		175.7047	175.7047	4.2800e-003	9.2200e-003	178.5574

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1928	6.3861	1.3978	0.0472	16.5615	0.0802	16.6417	1.9994	0.0767	2.0761		4,967.542 1	4,967.542 1	0.0230	0.6835	5,171.802 0
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.4333	6.5598	3.3082	0.0524	17.2276	0.0834	17.3110	2.1760	0.0797	2.2557		5,495.133 6	5,495.133 6	0.0381	0.6997	5,704.585 4

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1928	6.3861	1.3978	0.0472	10.8550	0.0802	10.9352	1.4287	0.0767	1.5054		4,967.542 1	4,967.542 1	0.0230	0.6835	5,171.802 0
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.4333	6.5598	3.3082	0.0524	11.5211	0.0834	11.6045	1.6054	0.0797	1.6850		5,495.133 6	5,495.133 6	0.0381	0.6997	5,704.585 4

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Unmitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project - Noble Site Mitigated
Salton Sea Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,430.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	6.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblTripsAndVMT	WorkerTripNumber	144.00	8.00
tblTripsAndVMT	WorkerTripNumber	144.00	16.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3287	4.4072	3.1283	0.0130	7.6842	0.1496	7.8338	0.9361	0.1416	1.0777	0.0000	1,203.490 4	1,203.490 4	0.1010	0.1198	1,241.727 7
2023	0.5979	6.0886	6.0428	0.0152	1.3816	0.2734	1.6550	0.1756	0.2552	0.4307	0.0000	1,362.794 7	1,362.794 7	0.2612	0.0535	1,385.265 1
Maximum	0.5979	6.0886	6.0428	0.0152	7.6842	0.2734	7.8338	0.9361	0.2552	1.0777	0.0000	1,362.794 7	1,362.794 7	0.2612	0.1198	1,385.265 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2247	3.7913	3.3590	0.0130	1.1179	0.0838	1.2016	0.2146	0.0800	0.2945	0.0000	1,203.489 9	1,203.489 9	0.1010	0.1198	1,241.727 2
2023	0.4067	4.8752	6.6083	0.0152	0.3223	0.1582	0.4805	0.0698	0.1484	0.2182	0.0000	1,362.793 5	1,362.793 5	0.2612	0.0535	1,385.264 0
Maximum	0.4067	4.8752	6.6083	0.0152	1.1179	0.1582	1.2016	0.2146	0.1484	0.2945	0.0000	1,362.793 5	1,362.793 5	0.2612	0.1198	1,385.264 0

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.86	17.43	-8.68	0.00	84.11	42.81	82.27	74.42	42.46	66.01	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	2.9840	2.4651
2	9-1-2022	11-30-2022	2.0614	1.7250
3	12-1-2022	2-28-2023	2.3460	1.9127
4	3-1-2023	5-31-2023	2.6786	2.1023
5	6-1-2023	8-31-2023	2.2957	1.8008
		Highest	2.9840	2.4651

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,424.861 2	2,424.861 2	0.2047	0.0248	2,437.370 7
Mobile	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776
Offroad	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7000e-004	9.2300e-003	6.4500e-003	4.0000e-005	0.9177	1.6000e-004	0.9178	0.0916	1.5000e-004	0.0918	0.0000	2,429.130 4	2,429.130 4	0.2048	0.0254	2,441.803 8

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,424.861 2	2,424.861 2	0.2047	0.0248	2,437.370 7
Mobile	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776
Offroad	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7000e-004	9.2300e-003	6.4500e-003	4.0000e-005	0.9177	1.6000e-004	0.9178	0.0916	1.5000e-004	0.0918	0.0000	2,429.130 4	2,429.130 4	0.2048	0.0254	2,441.803 8

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3	Trenching	Trenching	6/15/2022	7/14/2022	5	22
4	Grading	Grading	7/15/2022	8/15/2022	5	22
5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20
Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	12	20.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	10.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	22	60.00	6.00	1,430.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	60.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4100e-003	0.1089	0.0688	1.8000e-004		3.9300e-003	3.9300e-003		3.6200e-003	3.6200e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9911
Total	9.4100e-003	0.1089	0.0688	1.8000e-004	5.3000e-003	3.9300e-003	9.2300e-003	5.7000e-004	3.6200e-003	4.1900e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9911

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	4.0000e-004	1.8000e-004	0.0000	6.5200e-003	0.0000	6.5300e-003	6.6000e-004	0.0000	6.7000e-004	0.0000	0.1640	0.1640	0.0000	2.0000e-005	0.1709
Worker	3.6000e-004	2.6000e-004	3.1700e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7057	0.7057	2.0000e-005	2.0000e-005	0.7125
Total	3.8000e-004	6.6000e-004	3.3500e-003	1.0000e-005	7.4000e-003	0.0000	7.4100e-003	8.9000e-004	0.0000	9.1000e-004	0.0000	0.8697	0.8697	2.0000e-005	4.0000e-005	0.8833

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2700e-003	0.1080	0.0716	1.8000e-004		3.2100e-003	3.2100e-003		3.0000e-003	3.0000e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9910
Total	8.2700e-003	0.1080	0.0716	1.8000e-004	2.3900e-003	3.2100e-003	5.6000e-003	2.6000e-004	3.0000e-003	3.2600e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9910

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	4.0000e-004	1.8000e-004	0.0000	6.9000e-004	0.0000	6.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.1640	0.1640	0.0000	2.0000e-005	0.1709
Worker	3.6000e-004	2.6000e-004	3.1700e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7057	0.7057	2.0000e-005	2.0000e-005	0.7125
Total	3.8000e-004	6.6000e-004	3.3500e-003	1.0000e-005	1.5700e-003	0.0000	1.5700e-003	3.1000e-004	0.0000	3.2000e-004	0.0000	0.8697	0.8697	2.0000e-005	4.0000e-005	0.8833

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1442	0.0000	0.1442	0.0741	0.0000	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2303	0.1280	2.6000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	22.5182	22.5182	7.2800e-003	0.0000	22.7002
Total	0.0220	0.2303	0.1280	2.6000e-004	0.1442	0.0112	0.1553	0.0741	0.0103	0.0844	0.0000	22.5182	22.5182	7.2800e-003	0.0000	22.7002

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	0.0156	2.0000e-005	0.0156	1.7700e-003	2.0000e-005	1.8000e-003	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0649	0.0000	0.0649	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-003	0.0793	0.1512	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	22.5181	22.5181	7.2800e-003	0.0000	22.7002
Total	4.6000e-003	0.0793	0.1512	2.6000e-004	0.0649	4.2000e-004	0.0653	0.0333	4.2000e-004	0.0338	0.0000	22.5181	22.5181	7.2800e-003	0.0000	22.7002

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	1.5100e-003	1.0000e-005	1.5200e-003	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	2.7200e-003	2.0000e-005	2.7300e-003	4.9000e-004	2.0000e-005	5.1000e-004	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1112	0.1064	1.4000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388
Total	0.0116	0.1112	0.1064	1.4000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	0.0156	2.0000e-005	0.0156	1.7700e-003	2.0000e-005	1.8000e-003	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5400e-003	0.1042	0.1087	1.4000e-004		5.3800e-003	5.3800e-003		4.9600e-003	4.9600e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388
Total	9.5400e-003	0.1042	0.1087	1.4000e-004		5.3800e-003	5.3800e-003		4.9600e-003	4.9600e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	1.5100e-003	1.0000e-005	1.5200e-003	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	5.4000e-004	1.2400e-003	4.7600e-003	1.0000e-005	2.7200e-003	2.0000e-005	2.7300e-003	4.9000e-004	2.0000e-005	5.1000e-004	0.0000	1.3310	1.3310	3.0000e-005	8.0000e-005	1.3556

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	2.4700e-003	0.0000	2.4700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2830	0.1969	4.7000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	40.6577	40.6577	0.0130	0.0000	40.9827
Total	0.0252	0.2830	0.1969	4.7000e-004	0.0197	0.0111	0.0307	2.4700e-003	0.0102	0.0127	0.0000	40.6577	40.6577	0.0130	0.0000	40.9827

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	3.2959	7.0900e-003	3.3029	0.3439	6.7800e-003	0.3507	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	9.9000e-004	7.1000e-004	8.7200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9407	1.9407	6.0000e-005	6.0000e-005	1.9593
Total	0.0163	0.6390	0.1625	2.8600e-003	3.3126	7.1100e-003	3.3197	0.3460	6.8000e-003	0.3528	0.0000	275.6764	275.6764	1.9500e-003	0.0431	288.5728

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.8500e-003	0.0000	8.8500e-003	1.1100e-003	0.0000	1.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2811	0.2032	4.7000e-004		9.4700e-003	9.4700e-003		8.8200e-003	8.8200e-003	0.0000	40.6577	40.6577	0.0130	0.0000	40.9826
Total	0.0227	0.2811	0.2032	4.7000e-004	8.8500e-003	9.4700e-003	0.0183	1.1100e-003	8.8200e-003	9.9300e-003	0.0000	40.6577	40.6577	0.0130	0.0000	40.9826

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	0.4001	7.0900e-003	0.4072	0.0549	6.7800e-003	0.0617	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	1.5100e-003	1.0000e-005	1.5200e-003	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	9.9000e-004	7.1000e-004	8.7200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9407	1.9407	6.0000e-005	6.0000e-005	1.9593
Total	0.0163	0.6390	0.1625	2.8600e-003	0.4040	7.1100e-003	0.4111	0.0557	6.8000e-003	0.0625	0.0000	275.6764	275.6764	1.9500e-003	0.0431	288.5728

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1521	0.0000	0.1521	0.0753	0.0000	0.0753	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0257	0.2683	0.1690	3.1000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8127
Total	0.0257	0.2683	0.1690	3.1000e-004	0.1521	0.0134	0.1655	0.0753	0.0123	0.0876	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8127

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	3.2959	7.0900e-003	3.3029	0.3439	6.7800e-003	0.3507	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4700e-003	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	0.0158	0.6386	0.1581	2.8500e-003	3.3114	7.1100e-003	3.3185	0.3457	6.8000e-003	0.3525	0.0000	274.7060	274.7060	1.9200e-003	0.0431	287.5931

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0685	0.0000	0.0685	0.0339	0.0000	0.0339	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.1172	0.1921	3.1000e-004		2.6100e-003	2.6100e-003		2.4300e-003	2.4300e-003	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8126
Total	8.2600e-003	0.1172	0.1921	3.1000e-004	0.0685	2.6100e-003	0.0711	0.0339	2.4300e-003	0.0363	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8126

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0153	0.6374	0.1534	2.8400e-003	0.4001	7.0900e-003	0.4072	0.0549	6.7800e-003	0.0617	0.0000	273.3750	273.3750	1.8900e-003	0.0430	286.2376
Vendor	4.0000e-005	8.9000e-004	4.0000e-004	0.0000	1.5100e-003	1.0000e-005	1.5200e-003	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.3607	0.3607	0.0000	5.0000e-005	0.3759
Worker	5.0000e-004	3.5000e-004	4.3600e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9703	0.9703	3.0000e-005	3.0000e-005	0.9796
Total	0.0158	0.6386	0.1581	2.8500e-003	0.4028	7.1100e-003	0.4099	0.0554	6.8000e-003	0.0622	0.0000	274.7060	274.7060	1.9200e-003	0.0431	287.5931

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1797	1.6659	1.9496	3.3700e-003		0.0814	0.0814		0.0781	0.0781	0.0000	291.9453	291.9453	0.0563	0.0000	293.3537
Total	0.1797	1.6659	1.9496	3.3700e-003		0.0814	0.0814		0.0781	0.0781	0.0000	291.9453	291.9453	0.0563	0.0000	293.3537

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6400e-003	0.3355	0.0413	1.6700e-003	0.4892	4.3800e-003	0.4936	0.0583	4.1900e-003	0.0625	0.0000	161.1143	161.1143	1.0100e-003	0.0254	168.6925
Vendor	3.5200e-003	0.0994	0.0219	5.6000e-004	0.1818	1.8000e-003	0.1836	0.0221	1.7300e-003	0.0238	0.0000	53.8461	53.8461	3.0000e-004	7.4700e-003	56.0785
Worker	0.0104	7.4200e-003	0.0915	2.2000e-004	0.0253	1.3000e-004	0.0255	6.7300e-003	1.2000e-004	6.8500e-003	0.0000	20.3772	20.3772	5.8000e-004	6.1000e-004	20.5723
Total	0.0196	0.4423	0.1547	2.4500e-003	0.6963	6.3100e-003	0.7026	0.0871	6.0400e-003	0.0932	0.0000	235.3375	235.3375	1.8900e-003	0.0334	245.3433

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1172	1.3647	2.1211	3.3700e-003		0.0419	0.0419		0.0405	0.0405	0.0000	291.9450	291.9450	0.0563	0.0000	293.3533
Total	0.1172	1.3647	2.1211	3.3700e-003		0.0419	0.0419		0.0405	0.0405	0.0000	291.9450	291.9450	0.0563	0.0000	293.3533

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6400e-003	0.3355	0.0413	1.6700e-003	0.0967	4.3800e-003	0.1011	0.0191	4.1900e-003	0.0233	0.0000	161.1143	161.1143	1.0100e-003	0.0254	168.6925
Vendor	3.5200e-003	0.0994	0.0219	5.6000e-004	0.0368	1.8000e-003	0.0386	7.6500e-003	1.7300e-003	9.3700e-003	0.0000	53.8461	53.8461	3.0000e-004	7.4700e-003	56.0785
Worker	0.0104	7.4200e-003	0.0915	2.2000e-004	0.0253	1.3000e-004	0.0255	6.7300e-003	1.2000e-004	6.8500e-003	0.0000	20.3772	20.3772	5.8000e-004	6.1000e-004	20.5723
Total	0.0196	0.4423	0.1547	2.4500e-003	0.1589	6.3100e-003	0.1652	0.0335	6.0400e-003	0.0395	0.0000	235.3375	235.3375	1.8900e-003	0.0334	245.3433

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0240	0.2192	0.2775	4.8000e-004		0.0102	0.0102		9.8000e-003	9.8000e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9113
Total	0.0240	0.2192	0.2775	4.8000e-004		0.0102	0.0102		9.8000e-003	9.8000e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9113

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0383	5.3100e-003	2.3000e-004	0.0699	5.4000e-004	0.0704	8.3200e-003	5.1000e-004	8.8400e-003	0.0000	22.1258	22.1258	1.4000e-004	3.4800e-003	23.1665
Vendor	3.1000e-004	0.0104	2.3200e-003	8.0000e-005	0.0260	1.3000e-004	0.0261	3.1600e-003	1.3000e-004	3.2900e-003	0.0000	7.4348	7.4348	3.0000e-005	1.0200e-003	7.7403
Worker	1.3800e-003	9.3000e-004	0.0119	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8168	2.8168	7.0000e-005	8.0000e-005	2.8424
Total	2.1900e-003	0.0496	0.0196	3.4000e-004	0.0995	6.9000e-004	0.1002	0.0124	6.6000e-004	0.0131	0.0000	32.3774	32.3774	2.4000e-004	4.5800e-003	33.7491

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1872	0.3029	4.8000e-004		5.3600e-003	5.3600e-003		5.1800e-003	5.1800e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9112
Total	0.0160	0.1872	0.3029	4.8000e-004		5.3600e-003	5.3600e-003		5.1800e-003	5.1800e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9112

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0383	5.3100e-003	2.3000e-004	0.0138	5.4000e-004	0.0144	2.7300e-003	5.1000e-004	3.2400e-003	0.0000	22.1258	22.1258	1.4000e-004	3.4800e-003	23.1665
Vendor	3.1000e-004	0.0104	2.3200e-003	8.0000e-005	5.2600e-003	1.3000e-004	5.3900e-003	1.0900e-003	1.3000e-004	1.2200e-003	0.0000	7.4348	7.4348	3.0000e-005	1.0200e-003	7.7403
Worker	1.3800e-003	9.3000e-004	0.0119	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8168	2.8168	7.0000e-005	8.0000e-005	2.8424
Total	2.1900e-003	0.0496	0.0196	3.4000e-004	0.0227	6.9000e-004	0.0234	4.7800e-003	6.6000e-004	5.4400e-003	0.0000	32.3774	32.3774	2.4000e-004	4.5800e-003	33.7491

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7400e-003	0.0162	0.0203	3.0000e-005		8.7000e-004	8.7000e-004		8.3000e-004	8.3000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287
Total	1.7400e-003	0.0162	0.0203	3.0000e-005		8.7000e-004	8.7000e-004		8.3000e-004	8.3000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	2.4000e-004	1.1000e-004	0.0000	3.9100e-003	0.0000	3.9200e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.0984	0.0984	0.0000	1.0000e-005	0.1025
Worker	1.1000e-004	8.0000e-005	9.5000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2117	0.2117	1.0000e-005	1.0000e-005	0.2137
Total	1.2000e-004	3.2000e-004	1.0600e-003	0.0000	4.1700e-003	0.0000	4.1800e-003	4.7000e-004	0.0000	4.7000e-004	0.0000	0.3101	0.3101	1.0000e-005	2.0000e-005	0.3163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.3000e-004	0.0135	0.0218	3.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287
Total	8.3000e-004	0.0135	0.0218	3.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	2.4000e-004	1.1000e-004	0.0000	4.1000e-004	0.0000	4.2000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0984	0.0984	0.0000	1.0000e-005	0.1025
Worker	1.1000e-004	8.0000e-005	9.5000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2117	0.2117	1.0000e-005	1.0000e-005	0.2137
Total	1.2000e-004	3.2000e-004	1.0600e-003	0.0000	6.7000e-004	0.0000	6.8000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3101	0.3101	1.0000e-005	2.0000e-005	0.3163

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1400e-003	0.0572	0.0777	1.2000e-004		2.8600e-003	2.8600e-003		2.7500e-003	2.7500e-003	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463
Total	6.1400e-003	0.0572	0.0777	1.2000e-004		2.8600e-003	2.8600e-003		2.7500e-003	2.7500e-003	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.6000e-004	4.0000e-004	0.0000	0.0150	1.0000e-005	0.0150	1.5200e-003	1.0000e-005	1.5300e-003	0.0000	0.3646	0.3646	0.0000	5.0000e-005	0.3799
Worker	3.8000e-004	2.6000e-004	3.3200e-003	1.0000e-005	1.0100e-003	0.0000	1.0100e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.7853	0.7853	2.0000e-005	2.0000e-005	0.7924
Total	4.1000e-004	1.0200e-003	3.7200e-003	1.0000e-005	0.0160	1.0000e-005	0.0160	1.7900e-003	1.0000e-005	1.8000e-003	0.0000	1.1499	1.1499	2.0000e-005	7.0000e-005	1.1723

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0700e-003	0.0508	0.0835	1.2000e-004		6.7000e-004	6.7000e-004		6.3000e-004	6.3000e-004	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463
Total	3.0700e-003	0.0508	0.0835	1.2000e-004		6.7000e-004	6.7000e-004		6.3000e-004	6.3000e-004	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.6000e-004	4.0000e-004	0.0000	1.5800e-003	1.0000e-005	1.5900e-003	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.3646	0.3646	0.0000	5.0000e-005	0.3799
Worker	3.8000e-004	2.6000e-004	3.3200e-003	1.0000e-005	1.0100e-003	0.0000	1.0100e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.7853	0.7853	2.0000e-005	2.0000e-005	0.7924
Total	4.1000e-004	1.0200e-003	3.7200e-003	1.0000e-005	2.5900e-003	1.0000e-005	2.6000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.1499	1.1499	2.0000e-005	7.0000e-005	1.1723

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5500e-003	0.0287	0.0339	6.0000e-005		1.3800e-003	1.3800e-003		1.3500e-003	1.3500e-003	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307
Total	3.5500e-003	0.0287	0.0339	6.0000e-005		1.3800e-003	1.3800e-003		1.3500e-003	1.3500e-003	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	9.0000e-005	0.0000	3.2600e-003	0.0000	3.2600e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0793	0.0793	0.0000	1.0000e-005	0.0826
Worker	1.7000e-004	1.1000e-004	1.4500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3414	0.3414	1.0000e-005	1.0000e-005	0.3445
Total	1.8000e-004	2.7000e-004	1.5400e-003	0.0000	3.7000e-003	0.0000	3.7000e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.4207	0.4207	1.0000e-005	2.0000e-005	0.4271

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7700e-003	0.0250	0.0364	6.0000e-005		8.9000e-004	8.9000e-004		8.8000e-004	8.8000e-004	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307
Total	2.7700e-003	0.0250	0.0364	6.0000e-005		8.9000e-004	8.9000e-004		8.8000e-004	8.8000e-004	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	9.0000e-005	0.0000	3.4000e-004	0.0000	3.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0793	0.0793	0.0000	1.0000e-005	0.0826
Worker	1.7000e-004	1.1000e-004	1.4500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3414	0.3414	1.0000e-005	1.0000e-005	0.3445
Total	1.8000e-004	2.7000e-004	1.5400e-003	0.0000	7.8000e-004	0.0000	7.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4207	0.4207	1.0000e-005	2.0000e-005	0.4271

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5276	5.2353	5.3536	0.0101		0.2519	0.2519		0.2345	0.2345	0.0000	884.8220	884.8220	0.2480	0.0000	891.0227
Total	0.5276	5.2353	5.3536	0.0101		0.2519	0.2519		0.2345	0.2345	0.0000	884.8220	884.8220	0.2480	0.0000	891.0227

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.4841	0.1084	3.6300e-003	1.2118	6.1700e-003	1.2179	0.1474	5.9100e-003	0.1533	0.0000	346.9553	346.9553	1.6200e-003	0.0477	361.2123
Worker	0.0193	0.0131	0.1669	4.3000e-004	0.0507	2.5000e-004	0.0509	0.0135	2.3000e-004	0.0137	0.0000	39.4358	39.4358	1.0400e-003	1.1100e-003	39.7933
Total	0.0339	0.4972	0.2753	4.0600e-003	1.2624	6.4200e-003	1.2689	0.1609	6.1400e-003	0.1670	0.0000	386.3911	386.3911	2.6600e-003	0.0488	401.0056

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3482	4.0642	5.8855	0.0101		0.1441	0.1441		0.1349	0.1349	0.0000	884.8210	884.8210	0.2480	0.0000	891.0217
Total	0.3482	4.0642	5.8855	0.0101		0.1441	0.1441		0.1349	0.1349	0.0000	884.8210	884.8210	0.2480	0.0000	891.0217

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.4841	0.1084	3.6300e-003	0.2456	6.1700e-003	0.2518	0.0510	5.9100e-003	0.0569	0.0000	346.9553	346.9553	1.6200e-003	0.0477	361.2123
Worker	0.0193	0.0131	0.1669	4.3000e-004	0.0507	2.5000e-004	0.0509	0.0135	2.3000e-004	0.0137	0.0000	39.4358	39.4358	1.0400e-003	1.1100e-003	39.7933
Total	0.0339	0.4972	0.2753	4.0600e-003	0.2963	6.4200e-003	0.3027	0.0644	6.1400e-003	0.0706	0.0000	386.3911	386.3911	2.6600e-003	0.0488	401.0056

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776
Unmitigated	3.9000e-004	7.3200e-003	5.5300e-003	4.0000e-005	0.9177	8.0000e-005	0.9178	0.0916	8.0000e-005	0.0917	0.0000	4.0157	4.0157	4.0000e-005	5.4000e-004	4.1776

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	1.36731e+007	2,424.8612	0.2047	0.0248	2,437.3707
Total		2,424.8612	0.2047	0.0248	2,437.3707

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	1.36731e+007	2,424.8612	0.2047	0.0248	2,437.3707
Total		2,424.8612	0.2047	0.0248	2,437.3707

6.0 Area Detail

6.1 Mitigation Measures Area

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Cranes	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Total	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Desert Peak Energy Center Project - Noble Site Mitigated

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,430.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	6.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblTripsAndVMT	WorkerTripNumber	144.00	8.00
tblTripsAndVMT	WorkerTripNumber	144.00	16.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.8624	80.2996	62.4914	0.3027	331.9438	2.5687	333.8035	39.9853	2.4643	41.7199	0.0000	31,706.0184	31,706.0184	1.8690	4.3183	33,030.3601
2023	9.4322	90.6730	95.1413	0.2226	20.4786	4.1567	24.4099	2.5262	3.9061	6.4322	0.0000	21,862.2433	21,862.2433	3.9965	0.9250	22,174.8895
Maximum	9.4322	90.6730	95.1413	0.3027	331.9438	4.1567	333.8035	39.9853	3.9061	41.7199	0.0000	31,706.0184	31,706.0184	3.9965	4.3183	33,030.3601

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.9359	80.1248	67.4294	0.3027	44.5873	1.5073	45.4700	8.3010	1.4204	9.1399	0.0000	31,706.0184	31,706.0184	1.8690	4.3183	33,030.3601
2023	6.5213	73.3978	103.5533	0.2226	4.5089	2.3728	6.8817	0.9549	2.2404	3.1952	0.0000	21,862.2432	21,862.2432	3.9965	0.9250	22,174.8895
Maximum	6.5213	80.1248	103.5533	0.3027	44.5873	2.3728	45.4700	8.3010	2.2404	9.1399	0.0000	31,706.0184	31,706.0184	3.9965	4.3183	33,030.3601

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.63	10.21	-8.47	0.00	86.07	42.31	85.39	78.23	42.53	74.38	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	20.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	10.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	60.00	6.00	1,430.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	60.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0873	0.0511	0.7999	1.6900e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		170.7599	170.7599	4.6800e-003	4.6300e-003	172.2559
Total	0.0911	0.1274	0.8360	2.0300e-003	1.5572	1.9000e-003	1.5591	0.1869	1.7900e-003	0.1887		206.8797	206.8797	4.9700e-003	9.7100e-003	209.8980

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.1450	9.9000e-004	0.1460	0.0165	9.5000e-004	0.0175		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0873	0.0511	0.7999	1.6900e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		170.7599	170.7599	4.6800e-003	4.6300e-003	172.2559
Total	0.0911	0.1274	0.8360	2.0300e-003	0.3226	1.9000e-003	0.3245	0.0636	1.7900e-003	0.0654		206.8797	206.8797	4.9700e-003	9.7100e-003	209.8980

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	1.4906	1.5600e-003	1.4922	0.1692	1.4700e-003	0.1707		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.1450	9.9000e-004	0.1460	0.0165	9.5000e-004	0.0175		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	0.2560	1.5600e-003	0.2576	0.0460	1.4700e-003	0.0475		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	1.4906	1.5600e-003	1.4922	0.1692	1.4700e-003	0.1707		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.1450	9.9000e-004	0.1460	0.0165	9.5000e-004	0.0175		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	0.0584	0.1082	0.5361	1.4000e-003	0.2560	1.5600e-003	0.2576	0.0460	1.4700e-003	0.0475		142.8448	142.8448	3.2100e-003	7.9700e-003	145.3021

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	316.6218	0.6442	317.2661	32.9711	0.6164	33.5874		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.1091	0.0639	0.9999	2.1100e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		213.4499	213.4499	5.8400e-003	5.7800e-003	215.3199
Total	1.5377	54.5716	14.8037	0.2604	318.2234	0.6464	318.8698	33.1697	0.6184	33.7881		27,631.7051	27,631.7051	0.1970	4.3183	28,923.4825

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	38.1072	0.6442	38.7514	5.1748	0.6164	5.7911		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.1450	9.9000e-004	0.1460	0.0165	9.5000e-004	0.0175		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.1091	0.0639	0.9999	2.1100e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		213.4499	213.4499	5.8400e-003	5.7800e-003	215.3199
Total	1.5377	54.5716	14.8037	0.2604	38.4742	0.6464	39.1206	5.2502	0.6184	5.8685		27,631.7051	27,631.7051	0.1970	4.3183	28,923.4825

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.7562	2,764.7562	0.8942		2,787.1107
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.7562	2,764.7562	0.8942		2,787.1107

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	316.6218	0.6442	317.2661	32.9711	0.6164	33.5874		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	1.4831	54.5397	14.3037	0.2593	318.1124	0.6458	318.7582	33.1403	0.6178	33.7581		27,524.9802	27,524.9802	0.1941	4.3154	28,815.8225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4248	54.4314	13.7677	0.2579	38.1072	0.6442	38.7514	5.1748	0.6164	5.7911		27,382.1354	27,382.1354	0.1909	4.3074	28,670.5205
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.1450	9.9000e-004	0.1460	0.0165	9.5000e-004	0.0175		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0545	0.0320	0.4999	1.0600e-003	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		106.7249	106.7249	2.9200e-003	2.8900e-003	107.6599
Total	1.4831	54.5397	14.3037	0.2593	38.3632	0.6458	39.0090	5.2207	0.6178	5.8386		27,524.9802	27,524.9802	0.1941	4.3154	28,815.8225

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1479	8.1409	1.0656	0.0434	13.3757	0.1138	13.4895	1.5823	0.1089	1.6912		4,612.4809	4,612.4809	0.0289	0.7256	4,829.4329
Vendor	0.0932	2.4036	0.5710	0.0146	4.9684	0.0469	5.0153	0.5998	0.0448	0.6446		1,541.6202	1,541.6202	8.5700e-003	0.2134	1,605.4283
Worker	0.3272	0.1917	2.9995	6.3400e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		640.3496	640.3496	0.0175	0.0174	645.9596
Total	0.5683	10.7362	4.6362	0.0644	19.0103	0.1641	19.1743	2.3588	0.1569	2.5157		6,794.4507	6,794.4507	0.0550	0.9564	7,080.8207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1479	8.1409	1.0656	0.0434	2.5897	0.1138	2.7035	0.5059	0.1089	0.6148		4,612.4809	4,612.4809	0.0289	0.7256	4,829.4329
Vendor	0.0932	2.4036	0.5710	0.0146	0.9859	0.0469	1.0328	0.2023	0.0448	0.2472		1,541.6202	1,541.6202	8.5700e-003	0.2134	1,605.4283
Worker	0.3272	0.1917	2.9995	6.3400e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		640.3496	640.3496	0.0175	0.0174	645.9596
Total	0.5683	10.7362	4.6362	0.0644	4.2417	0.1641	4.4058	0.8849	0.1569	1.0417		6,794.4507	6,794.4507	0.0550	0.9564	7,080.8207

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0926	6.5082	0.9612	0.0417	13.3757	0.0975	13.4732	1.5823	0.0933	1.6757		4,433.6799	4,433.6799	0.0272	0.6975	4,642.2211
Vendor	0.0584	1.7570	0.4237	0.0141	4.9684	0.0241	4.9925	0.5998	0.0230	0.6228		1,489.9388	1,489.9388	6.9800e-003	0.2045	1,551.0660
Worker	0.3026	0.1690	2.7324	6.1300e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4537	8.4342	4.1173	0.0620	19.0102	0.1248	19.1350	2.3588	0.1193	2.4781		6,543.0609	6,543.0609	0.0499	0.9180	6,817.8714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0926	6.5082	0.9612	0.0417	2.5897	0.0975	2.6872	0.5059	0.0933	0.5992		4,433.679 9	4,433.679 9	0.0272	0.6975	4,642.221 1
Vendor	0.0584	1.7570	0.4237	0.0141	0.9859	0.0241	1.0100	0.2023	0.0230	0.2254		1,489.938 8	1,489.938 8	6.9800e- 003	0.2045	1,551.066 0
Worker	0.3026	0.1690	2.7324	6.1300e- 003	0.6661	3.1900e- 003	0.6693	0.1767	2.9400e- 003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4537	8.4342	4.1173	0.0620	4.2417	0.1248	4.3664	0.8849	0.1193	1.0041		6,543.060 9	6,543.060 9	0.0499	0.9180	6,817.871 4

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.296 6	1,035.296 6	0.1629		1,039.370 0
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.296 6	1,035.296 6	0.1629		1,039.370 0

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	1.3796	9.9000e-004	1.3806	0.1397	9.5000e-004	0.1407		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0436	0.0256	0.3999	8.4000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		85.3800	85.3800	2.3400e-003	2.3100e-003	86.1279
Total	0.0475	0.1018	0.4361	1.1800e-003	1.4684	1.4500e-003	1.4698	0.1633	1.3700e-003	0.1647		121.4998	121.4998	2.6300e-003	7.3900e-003	123.7701

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.0763	0.0362	3.4000e-004	0.1450	9.9000e-004	0.1460	0.0165	9.5000e-004	0.0175		36.1198	36.1198	2.9000e-004	5.0800e-003	37.6422
Worker	0.0436	0.0256	0.3999	8.4000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		85.3800	85.3800	2.3400e-003	2.3100e-003	86.1279
Total	0.0475	0.1018	0.4361	1.1800e-003	0.2338	1.4500e-003	0.2353	0.0401	1.3700e-003	0.0415		121.4998	121.4998	2.6300e-003	7.3900e-003	123.7701

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0404	0.0225	0.3643	8.2000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		82.5923	82.5923	2.0900e-003	2.1300e-003	83.2779
Total	0.0435	0.0848	0.3985	1.1500e-003	1.4684	9.4000e-004	1.4693	0.1633	8.8000e-004	0.1642		117.4932	117.4932	2.3500e-003	7.0100e-003	119.6389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	0.1450	5.1000e-004	0.1455	0.0165	4.9000e-004	0.0170		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0404	0.0225	0.3643	8.2000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		82.5923	82.5923	2.0900e-003	2.1300e-003	83.2779
Total	0.0435	0.0848	0.3985	1.1500e-003	0.2338	9.4000e-004	0.2347	0.0401	8.8000e-004	0.0410		117.4932	117.4932	2.3500e-003	7.0100e-003	119.6389

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0807	0.0451	0.7286	1.6300e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		165.1846	165.1846	4.1700e-003	4.2500e-003	166.5558
Total	0.0838	0.1073	0.7628	1.9600e-003	1.5572	1.3600e-003	1.5586	0.1869	1.2700e-003	0.1881		200.0855	200.0855	4.4300e-003	9.1300e-003	202.9168

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-003	0.0622	0.0342	3.3000e-004	0.1450	5.1000e-004	0.1455	0.0165	4.9000e-004	0.0170		34.9009	34.9009	2.6000e-004	4.8800e-003	36.3610
Worker	0.0807	0.0451	0.7286	1.6300e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		165.1846	165.1846	4.1700e-003	4.2500e-003	166.5558
Total	0.0838	0.1073	0.7628	1.9600e-003	0.3226	1.3600e-003	0.3240	0.0636	1.2700e-003	0.0649		200.0855	200.0855	4.4300e-003	9.1300e-003	202.9168

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1947	5.8565	1.4122	0.0471	16.5615	0.0802	16.6416	1.9994	0.0767	2.0761		4,966.4627	4,966.4627	0.0233	0.6818	5,170.2201
Worker	0.3026	0.1690	2.7324	6.1300e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4973	6.0255	4.1446	0.0533	17.2276	0.0834	17.3109	2.1760	0.0796	2.2557		5,585.9048	5,585.9048	0.0389	0.6977	5,794.8043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.8742	12,666.8742	3.5507		12,755.6417
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.8742	12,666.8742	3.5507		12,755.6417

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1947	5.8565	1.4122	0.0471	3.2863	0.0802	3.3665	0.6745	0.0767	0.7512		4,966.4627	4,966.4627	0.0233	0.6818	5,170.2201
Worker	0.3026	0.1690	2.7324	6.1300e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		619.4421	619.4421	0.0157	0.0159	624.5842
Total	0.4973	6.0255	4.1446	0.0533	3.9524	0.0834	4.0358	0.8511	0.0796	0.9308		5,585.9048	5,585.9048	0.0389	0.6977	5,794.8043

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Unmitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project - Noble Site Mitigated
Salton Sea Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,430.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	6.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	2.00
tblTripsAndVMT	VendorTripNumber	56.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblTripsAndVMT	WorkerTripNumber	144.00	8.00
tblTripsAndVMT	WorkerTripNumber	144.00	16.00
tblTripsAndVMT	WorkerTripNumber	144.00	60.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.7808	84.8995	61.4723	0.3027	331.9438	2.5687	333.8045	39.9853	2.4644	41.7209	0.0000	31,704.82 21	31,704.82 21	1.8687	4.3233	33,030.54 14
2023	9.3428	91.2201	93.9787	0.2213	20.4786	4.1568	24.4099	2.5262	3.9061	6.4323	0.0000	21,734.95 72	21,734.95 72	3.9954	0.9261	22,048.19 20
Maximum	9.3428	91.2201	93.9787	0.3027	331.9438	4.1568	333.8045	39.9853	3.9061	41.7209	0.0000	31,704.82 21	31,704.82 21	3.9954	4.3233	33,030.54 14

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8543	84.7246	66.4104	0.3027	44.5873	1.5083	45.4711	8.3010	1.4214	9.1408	0.0000	31,704.82 21	31,704.82 21	1.8687	4.3233	33,030.54 14
2023	6.4319	73.9449	102.3907	0.2213	4.5089	2.3729	6.8817	0.9549	2.2404	3.1953	0.0000	21,734.95 72	21,734.95 72	3.9954	0.9261	22,048.19 20
Maximum	6.4319	84.7246	102.3907	0.3027	44.5873	2.3729	45.4711	8.3010	2.2404	9.1408	0.0000	31,704.82 21	31,704.82 21	3.9954	4.3233	33,030.54 14

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.99	9.91	-8.59	0.00	86.07	42.29	85.39	78.23	42.52	74.38	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	20.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	10.00	2.00	10,034.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	60.00	6.00	1,430.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	16.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	60.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0690	0.0527	0.5578	1.4400e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		145.3632	145.3632	4.4800e-003	4.6900e-003	146.8739
Total	0.0726	0.1352	0.5955	1.7800e-003	1.5572	1.9100e-003	1.5591	0.1869	1.7900e-003	0.1887		181.5445	181.5445	4.7600e-003	9.8000e-003	184.5837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.1450	1.0000e-003	0.1460	0.0165	9.5000e-004	0.0175		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0690	0.0527	0.5578	1.4400e-003	0.1776	9.1000e-004	0.1785	0.0471	8.4000e-004	0.0480		145.3632	145.3632	4.4800e-003	4.6900e-003	146.8739
Total	0.0726	0.1352	0.5955	1.7800e-003	0.3226	1.9100e-003	0.3245	0.0636	1.7900e-003	0.0654		181.5445	181.5445	4.7600e-003	9.8000e-003	184.5837

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	1.4906	1.5700e-003	1.4922	0.1692	1.4700e-003	0.1707		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.1450	1.0000e-003	0.1460	0.0165	9.5000e-004	0.0175		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	0.2560	1.5700e-003	0.2576	0.0460	1.4700e-003	0.0475		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	1.4906	1.5700e-003	1.4922	0.1692	1.4700e-003	0.1707		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.1450	1.0000e-003	0.1460	0.0165	9.5000e-004	0.0175		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	0.0467	0.1154	0.3863	1.2400e-003	0.2560	1.5700e-003	0.2576	0.0460	1.4700e-003	0.0475		127.0333	127.0333	3.0800e-003	8.0400e-003	129.5060

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	316.6218	0.6453	317.2671	32.9711	0.6173	33.5884		27,412.6235	27,412.6235	0.1868	4.3123	28,702.3616
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0862	0.0658	0.6973	1.8000e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		181.7040	181.7040	5.6100e-003	5.8700e-003	183.5924
Total	1.4275	59.1715	14.9144	0.2604	318.2234	0.6474	318.8708	33.1697	0.6193	33.7891		27,630.5088	27,630.5088	0.1927	4.3233	28,923.6638

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	38.1072	0.6453	38.7524	5.1748	0.6173	5.7921		27,412.62 35	27,412.62 35	0.1868	4.3123	28,702.36 16
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.1450	1.0000e-003	0.1460	0.0165	9.5000e-004	0.0175		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0862	0.0658	0.6973	1.8000e-003	0.2220	1.1400e-003	0.2232	0.0589	1.0500e-003	0.0599		181.7040	181.7040	5.6100e-003	5.8700e-003	183.5924
Total	1.4275	59.1715	14.9144	0.2604	38.4742	0.6474	39.1216	5.2502	0.6193	5.8695		27,630.50 88	27,630.50 88	0.1927	4.3233	28,923.66 38

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	316.6218	0.6453	317.2671	32.9711	0.6173	33.5884		27,412.6235	27,412.6235	0.1868	4.3123	28,702.3616
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	1.3844	59.1386	14.5657	0.2595	318.1124	0.6468	318.7593	33.1403	0.6188	33.7591		27,539.6568	27,539.6568	0.1899	4.3204	28,831.8676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.7562	2,764.7562	0.8942		2,787.1107

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3377	59.0231	14.1795	0.2582	38.1072	0.6453	38.7524	5.1748	0.6173	5.7921		27,412.62 35	27,412.62 35	0.1868	4.3123	28,702.36 16
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.1450	1.0000e-003	0.1460	0.0165	9.5000e-004	0.0175		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0431	0.0329	0.3486	9.0000e-004	0.1110	5.7000e-004	0.1116	0.0294	5.2000e-004	0.0300		90.8520	90.8520	2.8000e-003	2.9300e-003	91.7962
Total	1.3844	59.1386	14.5657	0.2595	38.3632	0.6468	39.0100	5.2207	0.6188	5.8396		27,539.65 68	27,539.65 68	0.1899	4.3204	28,831.86 76

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.821 6	8,358.821 6	1.6129		8,399.144 5
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.821 6	8,358.821 6	1.6129		8,399.144 5

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1448	8.8389	1.0794	0.0435	13.3757	0.1138	13.4896	1.5823	0.1089	1.6913		4,613.5656	4,613.5656	0.0288	0.7258	4,830.5696
Vendor	0.0926	2.6191	0.5655	0.0146	4.9684	0.0469	5.0153	0.5998	0.0448	0.6447		1,541.7873	1,541.7873	8.4700e-003	0.2139	1,605.7542
Worker	0.2587	0.1974	2.0919	5.3900e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		545.1120	545.1120	0.0168	0.0176	550.7773
Total	0.4961	11.6554	3.7367	0.0635	19.0103	0.1641	19.1744	2.3588	0.1569	2.5157		6,700.4649	6,700.4649	0.0541	0.9573	6,987.1011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1448	8.8389	1.0794	0.0435	2.5897	0.1138	2.7035	0.5059	0.1089	0.6148		4,613.5656	4,613.5656	0.0288	0.7258	4,830.5696
Vendor	0.0926	2.6191	0.5655	0.0146	0.9859	0.0469	1.0328	0.2023	0.0448	0.2472		1,541.7873	1,541.7873	8.4700e-003	0.2139	1,605.7542
Worker	0.2587	0.1974	2.0919	5.3900e-003	0.6661	3.4200e-003	0.6695	0.1767	3.1500e-003	0.1798		545.1120	545.1120	0.0168	0.0176	550.7773
Total	0.4961	11.6554	3.7367	0.0635	4.2417	0.1641	4.4058	0.8849	0.1569	1.0418		6,700.4649	6,700.4649	0.0541	0.9573	6,987.1011

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0891	7.0711	0.9719	0.0418	13.3757	0.0976	13.4733	1.5823	0.0934	1.6757		4,435.5218	4,435.5218	0.0271	0.6978	4,644.1496
Vendor	0.0578	1.9158	0.4193	0.0142	4.9684	0.0241	4.9925	0.5998	0.0230	0.6228		1,490.2626	1,490.2626	6.8900e-003	0.2051	1,551.5406
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.3874	9.1607	3.3017	0.0611	19.0102	0.1248	19.1351	2.3588	0.1193	2.4781		6,453.3759	6,453.3759	0.0491	0.9190	6,728.4736

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0891	7.0711	0.9719	0.0418	2.5897	0.0976	2.6872	0.5059	0.0934	0.5992		4,435.5218	4,435.5218	0.0271	0.6978	4,644.1496
Vendor	0.0578	1.9158	0.4193	0.0142	0.9859	0.0241	1.0100	0.2023	0.0230	0.2254		1,490.2626	1,490.2626	6.8900e-003	0.2051	1,551.5406
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.3874	9.1607	3.3017	0.0611	4.2417	0.1248	4.3665	0.8849	0.1193	1.0042		6,453.3759	6,453.3759	0.0491	0.9190	6,728.4736

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	1.3796	1.0000e-003	1.3806	0.1397	9.5000e-004	0.1407		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0345	0.0263	0.2789	7.2000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		72.6816	72.6816	2.2400e-003	2.3500e-003	73.4370
Total	0.0381	0.1088	0.3165	1.0600e-003	1.4684	1.4600e-003	1.4698	0.1633	1.3700e-003	0.1647		108.8629	108.8629	2.5200e-003	7.4600e-003	111.1468

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-003	0.0825	0.0376	3.4000e-004	0.1450	1.0000e-003	0.1460	0.0165	9.5000e-004	0.0175		36.1813	36.1813	2.8000e-004	5.1100e-003	37.7098
Worker	0.0345	0.0263	0.2789	7.2000e-004	0.0888	4.6000e-004	0.0893	0.0236	4.2000e-004	0.0240		72.6816	72.6816	2.2400e-003	2.3500e-003	73.4370
Total	0.0381	0.1088	0.3165	1.0600e-003	0.2338	1.4600e-003	0.2353	0.0401	1.3700e-003	0.0415		108.8629	108.8629	2.5200e-003	7.4600e-003	111.1468

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0321	0.0232	0.2547	7.0000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		70.3455	70.3455	2.0100e-003	2.1500e-003	71.0378
Total	0.0349	0.0908	0.2902	1.0300e-003	1.4684	9.4000e-004	1.4693	0.1633	8.8000e-004	0.1642		105.3591	105.3591	2.2600e-003	7.0600e-003	107.5196

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.6342	1,035.6342	0.1609		1,039.6555

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	0.1450	5.1000e-004	0.1455	0.0165	4.9000e-004	0.0170		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0321	0.0232	0.2547	7.0000e-004	0.0888	4.3000e-004	0.0892	0.0236	3.9000e-004	0.0240		70.3455	70.3455	2.0100e-003	2.1500e-003	71.0378
Total	0.0349	0.0908	0.2902	1.0300e-003	0.2338	9.4000e-004	0.2347	0.0401	8.8000e-004	0.0410		105.3591	105.3591	2.2600e-003	7.0600e-003	107.5196

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.9000e-004	0.1402		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0641	0.0463	0.5095	1.3900e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		140.6911	140.6911	4.0300e-003	4.3100e-003	142.0756
Total	0.0670	0.1140	0.5449	1.7200e-003	1.5572	1.3600e-003	1.5586	0.1869	1.2700e-003	0.1881		175.7047	175.7047	4.2800e-003	9.2200e-003	178.5574

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0676	0.0355	3.3000e-004	0.1450	5.1000e-004	0.1455	0.0165	4.9000e-004	0.0170		35.0136	35.0136	2.5000e-004	4.9100e-003	36.4819
Worker	0.0641	0.0463	0.5095	1.3900e-003	0.1776	8.5000e-004	0.1785	0.0471	7.8000e-004	0.0479		140.6911	140.6911	4.0300e-003	4.3100e-003	142.0756
Total	0.0670	0.1140	0.5449	1.7200e-003	0.3226	1.3600e-003	0.3240	0.0636	1.2700e-003	0.0649		175.7047	175.7047	4.2800e-003	9.2200e-003	178.5574

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.8742	12,666.8742	3.5507		12,755.6417

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1928	6.3861	1.3978	0.0472	16.5615	0.0802	16.6417	1.9994	0.0767	2.0761		4,967.542 1	4,967.542 1	0.0230	0.6835	5,171.802 0
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.4333	6.5598	3.3082	0.0524	17.2276	0.0834	17.3110	2.1760	0.0797	2.2557		5,495.133 6	5,495.133 6	0.0381	0.6997	5,704.585 4

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1928	6.3861	1.3978	0.0472	3.2863	0.0802	3.3665	0.6745	0.0767	0.7512		4,967.542 1	4,967.542 1	0.0230	0.6835	5,171.802 0
Worker	0.2405	0.1738	1.9105	5.2200e-003	0.6661	3.1900e-003	0.6693	0.1767	2.9400e-003	0.1796		527.5915	527.5915	0.0151	0.0162	532.7834
Total	0.4333	6.5598	3.3082	0.0524	3.9524	0.0834	4.0358	0.8511	0.0797	0.9308		5,495.133 6	5,495.133 6	0.0381	0.6997	5,704.585 4

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Unmitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site Mitigated - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Desert Peak Energy Center Project - Noble Site LST

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.2467	48.6660	57.4191	0.0984	14.1652	2.4031	15.9667	6.8495	2.3061	8.5069	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	8.8077	84.4555	89.8353	0.1662	0.0000	4.0711	4.0711	0.0000	3.8243	3.8243	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96
Maximum	8.8077	84.4555	89.8353	0.1662	14.1652	4.0711	15.9667	6.8495	3.8243	8.5069	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.3201	39.9391	62.3572	0.0984	6.3743	1.1547	7.0548	3.0823	1.1126	3.7198	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	5.8968	67.1803	98.2473	0.1662	0.0000	2.2872	2.2872	0.0000	2.1586	2.1586	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96
Maximum	5.8968	67.1803	98.2473	0.1662	6.3743	2.2872	7.0548	3.0823	2.1586	3.7198	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.42	19.53	-9.07	0.00	55.00	46.84	53.38	55.00	46.64	52.33	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	0.00	0.00	0.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	0.00	0.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Unmitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Desert Peak Energy Center Project - Noble Site LST

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.2467	48.6660	57.4191	0.0984	14.1652	2.4031	15.9667	6.8495	2.3061	8.5069	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	8.8077	84.4555	89.8353	0.1662	0.0000	4.0711	4.0711	0.0000	3.8243	3.8243	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96
Maximum	8.8077	84.4555	89.8353	0.1662	14.1652	4.0711	15.9667	6.8495	3.8243	8.5069	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.3201	39.9391	62.3572	0.0984	6.3743	1.1547	7.0548	3.0823	1.1126	3.7198	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	5.8968	67.1803	98.2473	0.1662	0.0000	2.2872	2.2872	0.0000	2.1586	2.1586	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96
Maximum	5.8968	67.1803	98.2473	0.1662	6.3743	2.2872	7.0548	3.0823	2.1586	3.7198	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.42	19.53	-9.07	0.00	55.00	46.84	53.38	55.00	46.64	52.33	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	0.00	0.00	0.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	0.00	0.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.313 3	4,074.313 3	1.3026		4,106.877 6
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.313 3	4,074.313 3	1.3026		4,106.877 6

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Unmitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project - Noble Site Mitigated LST
Salton Sea Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.2467	48.6660	57.4191	0.0984	14.1652	2.4031	15.9667	6.8495	2.3061	8.5069	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	8.8077	84.4555	89.8353	0.1662	0.0000	4.0711	4.0711	0.0000	3.8243	3.8243	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96
Maximum	8.8077	84.4555	89.8353	0.1662	14.1652	4.0711	15.9667	6.8495	3.8243	8.5069	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.3201	39.9391	62.3572	0.0984	6.3743	1.1547	7.0548	3.0823	1.1126	3.7198	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	5.8968	67.1803	98.2473	0.1662	0.0000	2.2872	2.2872	0.0000	2.1586	2.1586	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96
Maximum	5.8968	67.1803	98.2473	0.1662	6.3743	2.2872	7.0548	3.0823	2.1586	3.7198	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.42	19.53	-9.07	0.00	55.00	46.84	53.38	55.00	46.64	52.33	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3636	3.9487	1.9906	6.5900e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	645.5127	645.5127	0.1819	0.0114	653.4693

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	0.00	0.00	0.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	0.00	0.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.313 3	4,074.313 3	1.3026		4,106.877 6
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.313 3	4,074.313 3	1.3026		4,106.877 6

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517
Unmitigated	8.9400e-003	0.1329	0.1212	8.2000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		86.6183	86.6183	9.4000e-004	0.0114	90.0517

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project - Noble Site Mitigated LST
Salton Sea Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	HaulingTripNumber	10,034.00	0.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	VendorTripNumber	56.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblTripsAndVMT	WorkerTripNumber	144.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.2467	48.6660	57.4191	0.0984	14.1652	2.4031	15.9667	6.8495	2.3061	8.5069	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	8.8077	84.4555	89.8353	0.1662	0.0000	4.0711	4.0711	0.0000	3.8243	3.8243	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96
Maximum	8.8077	84.4555	89.8353	0.1662	14.1652	4.0711	15.9667	6.8495	3.8243	8.5069	0.0000	15,958.75 98	15,958.75 98	3.9508	0.0000	16,057.52 96

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.3201	39.9391	62.3572	0.0984	6.3743	1.1547	7.0548	3.0823	1.1126	3.7198	0.0000	9,394.118 2	9,394.118 2	1.8609	0.0000	9,438.514 5
2023	5.8968	67.1803	98.2473	0.1662	0.0000	2.2872	2.2872	0.0000	2.1586	2.1586	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96
Maximum	5.8968	67.1803	98.2473	0.1662	6.3743	2.2872	7.0548	3.0823	2.1586	3.7198	0.0000	15,958.75 97	15,958.75 97	3.9508	0.0000	16,057.52 96

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.42	19.53	-9.07	0.00	55.00	46.84	53.38	55.00	46.64	52.33	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Offroad	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3612	3.9602	1.9698	6.5700e-003	17.6478	0.1610	17.8088	1.7617	0.1482	1.9098	0.0000	643.2414	643.2414	0.1818	0.0115	651.2082

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	
3	Trenching	Trenching	6/15/2022	7/14/2022	5	22	
4	Grading	Grading	7/15/2022	8/15/2022	5	22	

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48
Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	0.00	0.00	0.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	0.00	0.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.8814	21.7736	13.7562	0.0361		0.7866	0.7866		0.7237	0.7237		3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.8814	21.7736	13.7562	0.0361	1.0605	0.7866	1.8471	0.1145	0.7237	0.8382		3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6538	21.5988	14.3289	0.0361		0.6425	0.6425		0.5995	0.5995	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231
Total	1.6538	21.5988	14.3289	0.0361	0.4772	0.6425	1.1197	0.0515	0.5995	0.6510	0.0000	3,497.1469	3,497.1469	1.1311		3,525.4231

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	2.0036	20.9386	11.6399	0.0233		1.0150	1.0150		0.9338	0.9338		2,256.5486	2,256.5486	0.7298		2,274.7939
Total	2.0036	20.9386	11.6399	0.0233	13.1047	1.0150	14.1196	6.7350	0.9338	7.6687		2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.4181	7.2049	13.7453	0.0233		0.0380	0.0380		0.0380	0.0380	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939
Total	0.4181	7.2049	13.7453	0.0233	5.8971	0.0380	5.9351	3.0307	0.0380	3.0687	0.0000	2,256.5486	2,256.5486	0.7298		2,274.7939

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352
Total	1.0571	10.1106	9.6738	0.0130		0.6592	0.6592		0.6064	0.6064		1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352
Total	0.8670	9.4686	9.8821	0.0130		0.4891	0.4891		0.4508	0.4508	0.0000	1,256.3768	1,256.3768	0.4063		1,266.5352

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7872	0.0000	1.7872	0.2246	0.0000	0.2246			0.0000			0.0000
Off-Road	2.2942	25.7280	17.8979	0.0423		1.0051	1.0051		0.9262	0.9262		4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.2942	25.7280	17.8979	0.0423	1.7872	1.0051	2.7922	0.2246	0.9262	1.1508		4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8042	0.0000	0.8042	0.1011	0.0000	0.1011			0.0000			0.0000
Off-Road	2.0666	25.5532	18.4706	0.0423		0.8610	0.8610		0.8021	0.8021	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776
Total	2.0666	25.5532	18.4706	0.0423	0.8042	0.8610	1.6652	0.1011	0.8021	0.9031	0.0000	4,074.3133	4,074.3133	1.3026		4,106.8776

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8314	0.0000	13.8314	6.8450	0.0000	6.8450			0.0000			0.0000
Off-Road	2.3362	24.3904	15.3606	0.0285		1.2139	1.2139		1.1168	1.1168		2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	2.3362	24.3904	15.3606	0.0285	13.8314	1.2139	15.0453	6.8450	1.1168	7.9618		2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2241	0.0000	6.2241	3.0803	0.0000	3.0803			0.0000			0.0000
Off-Road	0.7506	10.6567	17.4660	0.0285		0.2369	0.2369		0.2210	0.2210	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7
Total	0.7506	10.6567	17.4660	0.0285	6.2241	0.2369	6.4611	3.0803	0.2210	3.3013	0.0000	2,764.756 2	2,764.756 2	0.8942		2,787.110 7

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445
Total	4.6668	43.2709	50.6399	0.0875		2.1137	2.1137		2.0281	2.0281		8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445
Total	3.0447	35.4472	55.0934	0.0875		1.0885	1.0885		1.0506	1.0506	0.0000	8,358.8216	8,358.8216	1.6129		8,399.1445

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655
Total	4.3579	39.8622	50.4545	0.0875		1.8578	1.8578		1.7820	1.7820		8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655
Total	2.9112	34.0345	55.0671	0.0875		0.9751	0.9751		0.9416	0.9416	0.0000	8,359.9508	8,359.9508	1.5966		8,399.8655

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.5799	5.3951	6.7792	0.0108		0.2894	0.2894		0.2780	0.2780		1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700
Total	0.2754	4.4919	7.2637	0.0108		0.0662	0.0662		0.0621	0.0621	0.0000	1,035.2966	1,035.2966	0.1629		1,039.3700

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.5341	4.9710	6.7593	0.0108		0.2486	0.2486		0.2389	0.2389		1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5
Total	0.2671	4.4205	7.2570	0.0108		0.0583	0.0583		0.0548	0.0548	0.0000	1,035.634 2	1,035.634 2	0.1609		1,039.655 5

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.4219	11.4937	13.5494	0.0241		0.5516	0.5516		0.5405	0.5405		2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324
Total	1.1082	9.9786	14.5551	0.0241		0.3572	0.3572		0.3525	0.3525	0.0000	2,256.2514	2,256.2514	0.2392		2,262.2324

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	6.8516	67.9907	69.5266	0.1313		3.2709	3.2709		3.0448	3.0448		12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17
Total	4.5214	52.7812	76.4352	0.1313		1.8717	1.8717		1.7514	1.7514	0.0000	12,666.87 42	12,666.87 42	3.5507		12,755.64 17

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905
Unmitigated	6.5800e-003	0.1444	0.1004	8.0000e-004	17.6478	1.5200e-003	17.6494	1.7617	1.4500e-003	1.7631		84.3470	84.3470	9.1000e-004	0.0115	87.7905

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	3.43	3.43	4,926	4,926
Total	0.00	3.43	3.43	4,926	4,926

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Unmitigated	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800
Total	3.2400e-003	3.2000e-004	0.0350	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0751	0.0751	2.0000e-004		0.0800

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site Mitigated LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation



Attachment B

Desert Peak Energy Center Project – Phase I – Construction
Health Risk Assessment

January 26, 2022

10589

Patti Murphy
Desert Peak Energy Center, LLC
One California, Suite 16
San Francisco, California 94111

Subject: *Desert Peak Energy Center Project – Phase I – Construction Health Risk Assessment*

Dear Ms. Murphy:

Dudek is pleased to present Desert Peak Energy Center, LLC, with the following construction health risk assessment (HRA) analysis for the proposed Desert Peak Energy Center Project (Project) – Phase I located in the City of Palm Springs (City).

This memorandum estimates toxic air contaminants (TAC) and impacts from construction of the Project in accordance with the California Environmental Quality Act (CEQA) Guidelines, the South Coast Air Quality Management District (SCAQMD) Risk Assessment Procedures, and the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines. The contents and organization of this memorandum are as follows: Project Description, General Analysis and Methodology, Thresholds of Significance and Impact Analyses, Conclusions, and References Cited.

1 Project Location and Description

The Project is located in the City of Palm Springs at the northeastern intersection of Diablo Road and 16th Avenue. The Project site is located approximately 1.1 miles north of Interstate (“I”) 10, 1.1 miles east of State Route 62, and 1.5 miles west of North Indian Canyon Drive. The Project site is located in the southwestern corner of Section 4 and northwestern corner of Section 9, Township 3 South, and Range 4 East of the San Bernardino Baseline and Meridian, U.S. Geological Survey Desert Hot Springs 7.5-minute quadrangle. The approximate center of the Project site corresponds to 33° 55’ 44.37” north latitude (33.928992) and 116° 34’ 30.49” west longitude (-116.575136).

The Project includes construction and operation of a battery energy storage system facility. The battery energy storage system facility would include a 400-megawatt by 4-hour facility on an approximately 35-acre footprint of the larger 188-acre Project site, along with associated on-site switchyard, inverters, fencing, roads, and supervisory control and data acquisition (“SCADA”) system, and would store 1,600 megawatt-hours of energy. The Project also includes a 230-kilovolt overhead gen-tie line, which would extend approximately 0.3 miles north to the Southern California Edison (“SCE”) Devers Substation.

2 General Analysis and Methodology

The Project site is located within the Salton Sea Air Basin (SSAB) and is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD), which has jurisdiction over Riverside County (County) where the Project is located.

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (short-term) and/or chronic (long-term) noncancer health effects. A toxic substance released into the air is considered a TAC. Examples include certain aromatic and chlorinated hydrocarbons, diesel particulate matter (DPM), certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems, and may be experienced through either acute or chronic exposure to a given TAC.

California's air toxics control program began in 1983 with the passage of Assembly Bill 1807, the Toxic Air Contaminant Identification and Control Act, better known as the Tanner Bill. The Tanner Bill established a regulatory process for the scientific and public review of individual toxic compounds. When a compound becomes listed as a TAC under the Tanner Bill, the California Air Resources Board (CARB) normally establishes minimum statewide emission-control measures to be adopted by air quality management districts and air pollution control districts. By 1992, 18 of the 187 federal hazardous air pollutants had been listed by CARB as state TACs. In April 1993, CARB added 171 substances to the state program to make the state TAC list equal to the federal list of hazardous air pollutants. In 1998, CARB designated DPM as a TAC (CARB 1998). Exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens.

The second major component of California's air toxics program, supplementing the Tanner Bill, was provided by the passage of Assembly Bill 2588, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. Assembly Bill 2588 currently regulates more than 600 compounds, including all of the Tanner Bill-designated TACs.

2.1 Cancer Risk

Cancer risk is defined as the increase in lifetime probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased probability in 1 million. The cancer risk from inhalation of a TAC is estimated by calculating the inhalation (and if applicable, ingestion and dermal) dose in units of milligrams per kilogram body weight per day based on an ambient concentration in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), breathing rate, and exposure period and multiplying the dose by the inhalation cancer potency factor, expressed as (milligrams/kilogram body weight per day)⁻¹. Cancer risks are typically calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure, and that risks due to different carcinogens are additive. This approach is generally considered a conservative assumption at low doses, and is consistent with the current OEHHA regulatory approach. Exposure to carcinogenic TACs does not imply that the exposed individual will contract cancer; rather, the cancer risk is a probability of developing cancer if other factors (e.g., heredity, exposure to environmental or workplace risks that compromise the immune system, overall health) would result in an increased susceptibility to developing cancer.

The cancer risk calculations were performed by multiplying the predicted dispersion modeled output data by the TAC emissions and the appropriate risk values. The exposure and risk equations that were used to calculate the cancer risk at receptors from project construction and operation are integrated in HARP2, in accordance with the Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (2015 Risk Assessment Guidelines Manual) (OEHHA 2015).

2.2 Acute and Chronic Noncancer Health Impacts

The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of $\mu\text{g}/\text{m}^3$ divided by the reference exposure level (REL), also in units of $\mu\text{g}/\text{m}^3$. The REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects on a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index.

2.3 Construction Emissions Methodology

Emissions from the construction phase of the Project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2020.4.0. For the purposes of modeling, it was assumed that construction of the Project would commence in June 2022¹ and would last approximately 15 months, ending in August 2023. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Site preparation – 2 weeks
- Substation site preparation – 1 month
- Trenching – 1 month
- Grading – 1 month
- Substation grading – 1 month
- Battery/Container installation – 7 months
- Substation installation – 4 months
- Gen-tie foundation and tower erection – 1 week
- Gen-tie stringing and pulling – 2 months

The majority of the construction phases listed above would occur concurrently and would not occur sequentially in isolation. The estimated construction duration was provided by the Project applicant. Detailed construction equipment modeling assumptions are provided in Attachment A, CalEEMod Outputs.

The construction equipment mix used for estimating the construction emissions of the Project is based on information provided by the Project applicant and is shown in Table 1.

¹ The analysis assumes a construction start date of June 2022, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 1. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Site preparation	16	2	0	Graders	2	8
				Rubber-tired loaders	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation site preparation	10	2	0	Rubber-tired dozers	2	8
				Tractors/loaders/backhoes	2	8
Trenching	10	2	0	Tractors/loaders/backhoes	2	8
				Trenchers	2	8
Grading	20	2	10,034	Graders	2	8
				Plate compactors	2	8
				Rollers	2	8
				Rubber-tired loaders	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation grading	10	2	10,034	Rollers	2	8
				Rubber-tired dozers	2	8
				Tractors/loaders/backhoes	2	8
Battery/Container installation	60	6	1,430	Air compressors	4	8
				Cranes	2	8
				Excavators	2	8
				Generator sets	4	8
				Plate compactors	2	8
				Rollers	2	8
				Rough-terrain forklifts	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
				Substation Installation	60	20
				Air compressors	2	8
				Bore/drill rigs	2	8
				Cranes	2	8
				Excavators	2	8
				Generator sets	2	8
				Rollers	2	8

Table 1. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
				Rough-terrain forklifts	2	8
				Rubber-tired dozers	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	4	8
				Trenchers	4	8
Gen-tie foundation and tower erection	16	2	0	Air Compressors	1	8
				Cranes	1	4
				Forklifts	1	8
				Generator Sets	1	8
				Pumps	1	8
				Welders	1	8
Gen-tie stringing and pulling	8	2	0	Forklifts	1	6
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	1	8

Note: See Attachment A for details.

For the analysis, it was assumed that heavy construction equipment would be operating 5 days per week (22 days per month) during Project construction. Construction worker and vendor trips were based on CalEEMod default assumptions and rounded up to the nearest whole number to account for whole round trips. The project, as a condition of approval, has committed to using US EPA Tier 4 Interim construction equipment for all cranes, generator sets, rubber tired dozers, skid steer loaders, and tractors/loaders/backhoes. All other equipment emissions were estimated using the CalEEMod default emission factors for the construction duration.

For risk assessment purposes, PM₁₀ in diesel exhaust is considered DPM, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on road vehicle exhaust (e.g., heavy-duty diesel trucks). For the construction HRA, the CalEEMod scenario for the Project was adjusted to reduce diesel truck one-way trip distances to 1,000 feet to estimate emissions from trucks onsite.

The air dispersion modeling methodology was based on generally accepted modeling practices of SCAQMD (SCAQMD 2018). Air dispersion modeling was performed using the EPA’s American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 21112 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 10.0.1. The HRA followed the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines (OEHHA 2015) and SCAQMD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SCAQMD and EPA guidance and identified as representative of the Project site and Project activities. Principle parameters of this modeling are presented in Table 2.

Table 2. American Meteorological Society/Environmental Protection Agency Regulatory Model Principle Parameters

Parameter	Details
Meteorological Data	AERMOD-specific meteorological data for the Palm Springs air monitoring station (KPSP) was used for the dispersion modeling. A 5-year meteorological data set from 2012 through 2016 was obtained from the SCAQMD in a preprocessed format suitable for use in AERMOD (SCAQMD 2018).
Urban versus Rural Option	Rural dispersion option was selected due to the developed nature of the Project area and per SCAQMD guidelines.
Terrain Characteristics	The elevation of the site is 990 feet above sea level and the surrounding area is predominantly flat.
Elevation Data	Digital elevation data were imported into AERMOD and elevations were assigned to receptors and emission sources, as necessary. Digital elevation data were obtained through the AERMOD View in the United States Geological Survey’s National Elevation Dataset format with a resolution of 1/3 degree (approximately 10 meters), consistent with the SCAQMD guidance (SCAQMD 2018).
Source Release Characterizations	The modeled line of adjacent volume sources was approximately 35 acres. Based on EPA methodology, the modeled sources would result in a release height of 3.4 meters, a plume height of 6.8 meters, and a plume width of 8.6 meters for off-road equipment and diesel trucks (EPA 2015).

Note: See Attachment B.

Regarding receptors, the construction scenario used a 2-kilometer by 2-kilometer Cartesian receptor grid with 200-meter spacing to establish the impact area and evaluate locations of maximum health risk impact. Discrete cartesian receptors were placed over individual residences in close proximity to the project site.

The health risk calculations were performed using the Hotspots Analysis and Reporting Program Version 2 (HARP2) Air Dispersion and Risk Tool (ADMRT, version 21081). AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the necessary input values for HARP2. The line of volume sources was partitioned evenly based on the 1 gram per second emission rate. The ground-level concentration plot files were then used to estimate the long-term cancer health risk to an individual, and the noncancerous chronic health indices. There is no reference exposure level (REL) for acute health impacts from DPM, and, thus, acute risk was not evaluated.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in one million. Maximum Individual Cancer Risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over a period of 30 years for residential receptor locations. In accordance with SCAQMD guidance, the RMP Derived Method was evaluated for residential cancer risk. For the construction HRA, the TAC exposure period was assumed to be from third trimester of pregnancy for 15 months for all receptor locations (i.e., the assumed duration of Project construction). The exposure pathway for DPM is inhalation only.

The SCAQMD has also established noncarcinogenic risk parameters for use in HRAs since some TACs increase noncancerous health risk due to long-term (chronic) exposures and some TACs increase noncancerous health risk due to short-term (acute) exposures. Chronic exposure is evaluated in the construction HRA. Noncarcinogenic risks are quantified by calculating a hazard index, expressed as the ratio between the ambient pollutant concentration and its

toxicity or REL, which is a concentration at or below which health effects are not likely to occur. The chronic hazard index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. A hazard index less than one (1.0) means that adverse health effects are not expected. No short-term, acute relative exposure values are established and regulated and are therefore not addressed in this assessment.

3 Health Risk Assessment

3.1 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality are based on the recommendations provided in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). For the purposes of this HRA, a significant impact would occur if the Project would:

1. Expose sensitive receptors to substantial pollutant concentrations.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied on to determine whether a project would have a significant impact on air quality.

SCAQMD has adopted thresholds to address the significance of health risk impacts resulting from a project. Table 3 provides the health risk significance thresholds for cancer, chronic, acute, and cancer burden adopted by the SCAQMD. The cancer burden threshold is only applicable to TAC sources during operation for long duration (i.e. 30 years) and therefore is not assessed herein.

Table 3. SCAQMD Health Risk Significance Thresholds

TAC Thresholds	
Pollutant	Thresholds
TACs ^a	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and acute hazard index ≥ 1.0 (project increment)

Source: SCAQMD 2019.

Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant.

^a TACs include carcinogens and non-carcinogens.

3.2 Impact Analysis

Construction Emissions

Project construction would result in emissions of DPM from heavy construction equipment and trucks accessing the site. DPM is characterized as a TAC by the State of California. The OEHHA has identified carcinogenic and chronic non-carcinogenic effects from long-term exposure but has not identified health effects due to short-term exposure to diesel exhaust. The DPM emissions were assumed to be estimated using the exhaust PM₁₀ emissions calculated within the CalEEMod. Table 4 shows the estimated DPM emissions during construction of the project from off-road equipment and diesel trucks.

Table 4. Estimated Annual Construction DPM Emissions

Year	DPM
	Pounds
2022	127.00
2023	302.20
Total	429.20

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO_{2e} = carbon dioxide equivalent. See Attachment A for complete results.

As discussed in Section 2, a construction HRA was performed to estimate the Maximum Individual Cancer Risk and the Chronic Hazard Index for residential receptors as a result of Project construction. Results of the construction HRA are presented in Table 5.

Table 5. Construction Health Risk Assessment Results

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	9.2	10	Less than Significant
Chronic Hazard Index – Residential	Index Value	0.01	1.0	Less than Significant

Source: SCAQMD 2019.

Note: CEQA = California Environmental Quality Act. See Appendix C.

As shown in Table 5, Project construction activities would result in a Residential Maximum Individual Cancer Risk of 9.2 in 1 million, which is less than the significance threshold of 10 in 1 million. Project construction would result in a Residential Chronic Hazard Index of 0.01, which is below the 1.0 significance threshold. The maximally exposed individual resident is located directly west of the project site. The Project construction TAC health risk impacts would be considered less than significant.

5 Conclusions

The results determined in this analysis reflect reasonable estimates of source emissions and exhaust characteristics, available meteorological data near the project site, and the use of currently approved air quality models. Given the limits of available tools for such an analysis, the actual impacts may vary from the estimates in this assessment. However, the combined use of the AERMOD dispersion model and the health impact calculations required by OEHHA and SCAQMD tend to overpredict impacts, such that they produce conservative (i.e., health-protective) results. For this reason, the estimated cancer risks and noncancer hazard indices reported in this analysis are likely upper-bound estimates for potential exposure to project-related emissions. In addition, the estimated cancer risks and noncancer hazard indices represent the maximum exposed individual (resident) and do not represent the risk over a broad area. The actual risks of cancer or noncancer effects from the project are likely to be lower than presented herein.

Ms. Patti Murphy

Subject: *Desert Peak Energy Center Project – Phase I – Construction Health Risk Assessment*

Based on this analysis, project construction would result in potential cancer risk that would be less than significant. The project would result in chronic health risk that would be less than significant.

Sincerely,



Adam Poll, QEP, LEED AP BD+C
Senior Air Quality Specialist

Cc: *Jennifer Sucha, Dudek*

Att: *A – CalEEMod Emissions Outputs*

B – AERMOD and HARP2 Outputs

6 References

14 CCR 15000–15387 and Appendices A–L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

CARB (California Air Resources Board). 1998. *Report to the Air Resources Board on the Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant, Part A Exposure Assessment* (as approved by the Scientific Review Panel). April 1998.

EPA (United States Environmental Protection Agency). 2015. *Transportation Conformity Guidance for Quantitative Hotspot Analyses of PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas*. November. Accessed October 2019. <https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100NMXM.pdf>.

OEHHA (Office of Environmental Health Hazard Assessment). 2015. *Air Toxics Hot Spots Program. Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments*. February 2015. Accessed January 2019. http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf.

SCAQMD (South Coast Air Quality Management District). 2017. *Risk Assessment Procedures for Rules 1401, 1401.1, and 212*. September 1. Accessed May 2021. <http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12>.

SCAQMD. 2018. *South Coast AQMD Modeling Guidance for AERMOD*. Accessed January 2021. <https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance#>.

SCAQMD. 2019. “South Coast AQMD Air Quality Significance Thresholds.” April. Accessed May 2020. <https://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2>.



Attachment A

CalEEMod Emissions Outputs

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Desert Peak Energy Center Project - Noble Site HRA

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	343.20	1000sqft	7.88	343,200.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of storage containers for project.

Construction Phase - Based on applicant provided data

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Off-road Equipment - Based on applicant provided information

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Based on applicant provided data

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information

Vehicle Trips - One worker vehicle per month.

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Vehicle Emission Factors - Default

Road Dust - Defaults

Consumer Products - No consumer product use

Area Coating - No architectural coatings

Landscape Equipment - No landscaping

Energy Use - Defaults, no natural gas use.

Water And Wastewater - No water use

Solid Waste - No solid waste

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided data

Fleet Mix - Worker vehicles only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	171600	86170
tblAreaCoating	Area_Nonresidential_Interior	514800	258510
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	230.00	29.00
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	230.00	154.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.52	0.50
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT2	0.19	0.25
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.0340e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.1460e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.5500e-004	0.00
tblFleetMix	SBUS	9.2500e-004	0.00

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.3700e-004	0.00
tblGrading	MaterialImported	0.00	80,273.00
tblGrading	MaterialImported	0.00	80,273.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	322.61	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripNumber	0.00	1,430.00
tblTripsAndVMT	VendorTripLength	6.20	0.19
tblTripsAndVMT	VendorTripLength	6.20	0.19
tblTripsAndVMT	VendorTripLength	6.20	0.19
tblTripsAndVMT	VendorTripLength	6.20	0.19

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tbITripsAndVMT	VendorTripLength	6.20	0.19
tbITripsAndVMT	VendorTripLength	6.20	0.19
tbITripsAndVMT	VendorTripLength	6.20	0.19
tbITripsAndVMT	VendorTripLength	6.20	0.19
tbITripsAndVMT	VendorTripLength	6.20	0.19
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	56.00	6.00
tbITripsAndVMT	VendorTripNumber	56.00	2.00
tbITripsAndVMT	VendorTripNumber	56.00	2.00
tbITripsAndVMT	VendorTripNumber	56.00	20.00
tbITripsAndVMT	WorkerTripNumber	20.00	0.00
tbITripsAndVMT	WorkerTripNumber	10.00	0.00
tbITripsAndVMT	WorkerTripNumber	10.00	0.00
tbITripsAndVMT	WorkerTripNumber	30.00	0.00
tbITripsAndVMT	WorkerTripNumber	15.00	0.00
tbITripsAndVMT	WorkerTripNumber	144.00	0.00
tbITripsAndVMT	WorkerTripNumber	144.00	0.00
tbITripsAndVMT	WorkerTripNumber	144.00	0.00
tbITripsAndVMT	WorkerTripNumber	144.00	0.00
tbIVehicleTrips	CNW_TTP	41.00	0.00
tbIVehicleTrips	CW_TTP	59.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00
tbIVehicleTrips	PR_TP	92.00	100.00
tbIVehicleTrips	ST_TR	2.12	0.01

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	79,365,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2924	2.9629	2.8760	5.2400e-003	0.3875	0.1293	0.5168	0.1594	0.1223	0.2817	0.0000	459.6793	459.6793	0.0959	7.1900e-003	464.2208
2023	0.5629	5.5665	5.7670	0.0108	3.0900e-003	0.2663	0.2694	3.8000e-004	0.2484	0.2488	0.0000	946.7148	946.7148	0.2583	6.6000e-004	953.3692
Maximum	0.5629	5.5665	5.7670	0.0108	0.3875	0.2663	0.5168	0.1594	0.2484	0.2817	0.0000	946.7148	946.7148	0.2583	7.1900e-003	953.3692

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1884	2.3470	3.1067	5.2400e-003	0.1859	0.0635	0.2494	0.0731	0.0606	0.1337	0.0000	459.6788	459.6788	0.0959	7.1900e-003	464.2203
2023	0.3717	4.3532	6.3326	0.0108	2.0200e-003	0.1511	0.1531	2.7000e-004	0.1416	0.1418	0.0000	946.7137	946.7137	0.2583	6.6000e-004	953.3681
Maximum	0.3717	4.3532	6.3326	0.0108	0.1859	0.1511	0.2494	0.0731	0.1416	0.1418	0.0000	946.7137	946.7137	0.2583	7.1900e-003	953.3681

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.51	21.45	-9.21	0.00	51.89	45.77	48.81	54.10	45.46	48.06	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	1.7239	1.2050
2	9-1-2022	11-30-2022	1.5277	1.1913
3	12-1-2022	2-28-2023	2.0621	1.6288
4	3-1-2023	5-31-2023	2.4694	1.8931
5	6-1-2023	8-31-2023	2.1203	1.6254
		Highest	2.4694	1.8931

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,424.861 2	2,424.861 2	0.2047	0.0248	2,437.370 7
Mobile	2.0000e-004	2.4000e-004	3.0500e-003	1.0000e-005	0.4588	0.0000	0.4588	0.0458	0.0000	0.0458	0.0000	0.7148	0.7148	2.0000e-005	2.0000e-005	0.7214
Offroad	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8000e-004	2.1500e-003	3.9700e-003	1.0000e-005	0.4588	8.0000e-005	0.4589	0.0458	7.0000e-005	0.0459	0.0000	2,425.829 6	2,425.829 6	0.2048	0.0248	2,438.347 6

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,424.861 2	2,424.861 2	0.2047	0.0248	2,437.370 7
Mobile	2.0000e-004	2.4000e-004	3.0500e-003	1.0000e-005	0.4588	0.0000	0.4588	0.0458	0.0000	0.0458	0.0000	0.7148	0.7148	2.0000e-005	2.0000e-005	0.7214
Offroad	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8000e-004	2.1500e-003	3.9700e-003	1.0000e-005	0.4588	8.0000e-005	0.4589	0.0458	7.0000e-005	0.0459	0.0000	2,425.829 6	2,425.829 6	0.2048	0.0248	2,438.347 6

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/14/2022	5	10	
2	Substation Site Preparation	Site Preparation	6/1/2022	6/30/2022	5	22	

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3	Trenching	Trenching	6/15/2022	7/14/2022	5	22
4	Grading	Grading	7/15/2022	8/15/2022	5	22
5	Substation Grading	Grading	8/16/2022	9/14/2022	5	22
6	Battery/Container Installation	Building Construction	9/15/2022	1/16/2023	5	88
7	Gen-tie stringing and pulling	Building Construction	12/23/2022	2/1/2023	5	29
8	Gen-tie Foundation and Tower Erection	Building Construction	1/17/2023	1/23/2023	5	5
9	Substation Installation	Building Construction	1/17/2023	8/18/2023	5	154

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Air Compressors	1	8.00	78	0.48

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie Foundation and Tower Erection	Cranes	1	4.00	231	0.29
Gen-tie Foundation and Tower Erection	Forklifts	1	8.00	89	0.20
Gen-tie Foundation and Tower Erection	Generator Sets	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Pumps	1	8.00	84	0.74
Gen-tie Foundation and Tower Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie Foundation and Tower Erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	0.00	2.00	0.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	0.00	2.00	0.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Trenching	4	0.00	2.00	0.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	12	0.00	2.00	10,034.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	0.00	2.00	10,034.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	22	0.00	6.00	1,430.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	0.00	2.00	0.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Gen-tie Foundation and Tower Erection	6	0.00	2.00	0.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	0.00	20.00	0.00	14.60	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4100e-003	0.1089	0.0688	1.8000e-004		3.9300e-003	3.9300e-003		3.6200e-003	3.6200e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9911
Total	9.4100e-003	0.1089	0.0688	1.8000e-004	5.3000e-003	3.9300e-003	9.2300e-003	5.7000e-004	3.6200e-003	4.1900e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9911

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.5000e-004	1.3000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0251	0.0251	0.0000	0.0000	0.0263
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-005	1.5000e-004	1.3000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0251	0.0251	0.0000	0.0000	0.0263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2700e-003	0.1080	0.0716	1.8000e-004		3.2100e-003	3.2100e-003		3.0000e-003	3.0000e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9910
Total	8.2700e-003	0.1080	0.0716	1.8000e-004	2.3900e-003	3.2100e-003	5.6000e-003	2.6000e-004	3.0000e-003	3.2600e-003	0.0000	15.8628	15.8628	5.1300e-003	0.0000	15.9910

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.5000e-004	1.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0251	0.0251	0.0000	0.0000	0.0263
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-005	1.5000e-004	1.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0251	0.0251	0.0000	0.0000	0.0263

3.3 Substation Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1442	0.0000	0.1442	0.0741	0.0000	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2303	0.1280	2.6000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	22.5182	22.5182	7.2800e-003	0.0000	22.7002
Total	0.0220	0.2303	0.1280	2.6000e-004	0.1442	0.0112	0.1553	0.0741	0.0103	0.0844	0.0000	22.5182	22.5182	7.2800e-003	0.0000	22.7002

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	4.4000e-004	0.0000	4.4000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	4.4000e-004	0.0000	4.4000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0649	0.0000	0.0649	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-003	0.0793	0.1512	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	22.5181	22.5181	7.2800e-003	0.0000	22.7002
Total	4.6000e-003	0.0793	0.1512	2.6000e-004	0.0649	4.2000e-004	0.0653	0.0333	4.2000e-004	0.0338	0.0000	22.5181	22.5181	7.2800e-003	0.0000	22.7002

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578

3.4 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1112	0.1064	1.4000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388
Total	0.0116	0.1112	0.1064	1.4000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	4.4000e-004	0.0000	4.4000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	4.4000e-004	0.0000	4.4000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5400e-003	0.1042	0.1087	1.4000e-004		5.3800e-003	5.3800e-003		4.9600e-003	4.9600e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388
Total	9.5400e-003	0.1042	0.1087	1.4000e-004		5.3800e-003	5.3800e-003		4.9600e-003	4.9600e-003	0.0000	12.5374	12.5374	4.0500e-003	0.0000	12.6388

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	2.4700e-003	0.0000	2.4700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2830	0.1969	4.7000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	40.6577	40.6577	0.0130	0.0000	40.9827
Total	0.0252	0.2830	0.1969	4.7000e-004	0.0197	0.0111	0.0307	2.4700e-003	0.0102	0.0127	0.0000	40.6577	40.6577	0.0130	0.0000	40.9827

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8500e-003	0.1289	0.1094	2.2000e-004	0.0314	1.5000e-004	0.0316	3.3100e-003	1.4000e-004	3.4500e-003	0.0000	21.1369	21.1369	3.5000e-004	3.3200e-003	22.1362
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	4.4000e-004	0.0000	4.4000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.8700e-003	0.1293	0.1097	2.2000e-004	0.0319	1.5000e-004	0.0320	3.3500e-003	1.4000e-004	3.5000e-003	0.0000	21.1922	21.1922	3.5000e-004	3.3300e-003	22.1940

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.8500e-003	0.0000	8.8500e-003	1.1100e-003	0.0000	1.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2811	0.2032	4.7000e-004		9.4700e-003	9.4700e-003		8.8200e-003	8.8200e-003	0.0000	40.6577	40.6577	0.0130	0.0000	40.9826
Total	0.0227	0.2811	0.2032	4.7000e-004	8.8500e-003	9.4700e-003	0.0183	1.1100e-003	8.8200e-003	9.9300e-003	0.0000	40.6577	40.6577	0.0130	0.0000	40.9826

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8500e-003	0.1289	0.1094	2.2000e-004	0.0196	1.5000e-004	0.0197	2.1200e-003	1.4000e-004	2.2600e-003	0.0000	21.1369	21.1369	3.5000e-004	3.3200e-003	22.1362
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.8700e-003	0.1293	0.1097	2.2000e-004	0.0199	1.5000e-004	0.0200	2.1500e-003	1.4000e-004	2.2900e-003	0.0000	21.1922	21.1922	3.5000e-004	3.3300e-003	22.1940

3.6 Substation Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1521	0.0000	0.1521	0.0753	0.0000	0.0753	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0257	0.2683	0.1690	3.1000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8127
Total	0.0257	0.2683	0.1690	3.1000e-004	0.1521	0.0134	0.1655	0.0753	0.0123	0.0876	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8127

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8500e-003	0.1289	0.1094	2.2000e-004	0.0314	1.5000e-004	0.0316	3.3100e-003	1.4000e-004	3.4500e-003	0.0000	21.1369	21.1369	3.5000e-004	3.3200e-003	22.1362
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	4.4000e-004	0.0000	4.4000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.8700e-003	0.1293	0.1097	2.2000e-004	0.0319	1.5000e-004	0.0320	3.3500e-003	1.4000e-004	3.5000e-003	0.0000	21.1922	21.1922	3.5000e-004	3.3300e-003	22.1940

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0685	0.0000	0.0685	0.0339	0.0000	0.0339	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.1172	0.1921	3.1000e-004		2.6100e-003	2.6100e-003		2.4300e-003	2.4300e-003	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8126
Total	8.2600e-003	0.1172	0.1921	3.1000e-004	0.0685	2.6100e-003	0.0711	0.0339	2.4300e-003	0.0363	0.0000	27.5896	27.5896	8.9200e-003	0.0000	27.8126

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8500e-003	0.1289	0.1094	2.2000e-004	0.0196	1.5000e-004	0.0197	2.1200e-003	1.4000e-004	2.2600e-003	0.0000	21.1369	21.1369	3.5000e-004	3.3200e-003	22.1362
Vendor	2.0000e-005	3.4000e-004	3.0000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0552	0.0552	0.0000	1.0000e-005	0.0578
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.8700e-003	0.1293	0.1097	2.2000e-004	0.0199	1.5000e-004	0.0200	2.1500e-003	1.4000e-004	2.2900e-003	0.0000	21.1922	21.1922	3.5000e-004	3.3300e-003	22.1940

3.7 Battery/Container Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1797	1.6659	1.9496	3.3700e-003		0.0814	0.0814		0.0781	0.0781	0.0000	291.9453	291.9453	0.0563	0.0000	293.3537
Total	0.1797	1.6659	1.9496	3.3700e-003		0.0814	0.0814		0.0781	0.0781	0.0000	291.9453	291.9453	0.0563	0.0000	293.3537

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.8000e-004	0.0161	0.0136	3.0000e-005	9.4000e-004	2.0000e-005	9.6000e-004	1.2000e-004	2.0000e-005	1.3000e-004	0.0000	2.6358	2.6358	4.0000e-005	4.1000e-004	2.7604
Vendor	2.3000e-004	3.5500e-003	3.1100e-003	1.0000e-005	3.5000e-004	1.0000e-005	3.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5799	0.5799	1.0000e-005	9.0000e-005	0.6070
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.2100e-003	0.0196	0.0168	4.0000e-005	1.2900e-003	3.0000e-005	1.3200e-003	1.6000e-004	3.0000e-005	1.8000e-004	0.0000	3.2157	3.2157	5.0000e-005	5.0000e-004	3.3674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1172	1.3647	2.1211	3.3700e-003		0.0419	0.0419		0.0405	0.0405	0.0000	291.9450	291.9450	0.0563	0.0000	293.3533
Total	0.1172	1.3647	2.1211	3.3700e-003		0.0419	0.0419		0.0405	0.0405	0.0000	291.9450	291.9450	0.0563	0.0000	293.3533

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.8000e-004	0.0161	0.0136	3.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	2.6358	2.6358	4.0000e-005	4.1000e-004	2.7604
Vendor	2.3000e-004	3.5500e-003	3.1100e-003	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5799	0.5799	1.0000e-005	9.0000e-005	0.6070
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.2100e-003	0.0196	0.0168	4.0000e-005	8.5000e-004	3.0000e-005	8.8000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	3.2157	3.2157	5.0000e-005	5.0000e-004	3.3674

3.7 Battery/Container Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0240	0.2192	0.2775	4.8000e-004		0.0102	0.0102		9.8000e-003	9.8000e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9113
Total	0.0240	0.2192	0.2775	4.8000e-004		0.0102	0.0102		9.8000e-003	9.8000e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9113

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	2.2100e-003	2.0500e-003	0.0000	1.3000e-004	0.0000	1.4000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.3645	0.3645	1.0000e-005	6.0000e-005	0.3818
Vendor	3.0000e-005	4.9000e-004	4.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0803	0.0803	0.0000	1.0000e-005	0.0840
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.7000e-004	2.7000e-003	2.5100e-003	0.0000	1.8000e-004	0.0000	1.9000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4448	0.4448	1.0000e-005	7.0000e-005	0.4658

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1872	0.3029	4.8000e-004		5.3600e-003	5.3600e-003		5.1800e-003	5.1800e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9112
Total	0.0160	0.1872	0.3029	4.8000e-004		5.3600e-003	5.3600e-003		5.1800e-003	5.1800e-003	0.0000	41.7121	41.7121	7.9700e-003	0.0000	41.9112

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	2.2100e-003	2.0500e-003	0.0000	9.0000e-005	0.0000	9.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.3645	0.3645	1.0000e-005	6.0000e-005	0.3818
Vendor	3.0000e-005	4.9000e-004	4.6000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0803	0.0803	0.0000	1.0000e-005	0.0840
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.7000e-004	2.7000e-003	2.5100e-003	0.0000	1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	2.0000e-005	0.0000	0.4448	0.4448	1.0000e-005	7.0000e-005	0.4658

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7400e-003	0.0162	0.0203	3.0000e-005		8.7000e-004	8.7000e-004		8.3000e-004	8.3000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287
Total	1.7400e-003	0.0162	0.0203	3.0000e-005		8.7000e-004	8.7000e-004		8.3000e-004	8.3000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	9.0000e-005	8.0000e-005	0.0000	1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0151	0.0151	0.0000	0.0000	0.0158
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-005	9.0000e-005	8.0000e-005	0.0000	1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0151	0.0151	0.0000	0.0000	0.0158

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.3000e-004	0.0135	0.0218	3.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287
Total	8.3000e-004	0.0135	0.0218	3.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	2.8176	2.8176	4.4000e-004	0.0000	2.8287

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	9.0000e-005	8.0000e-005	0.0000	7.0000e-005	0.0000	7.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0151	0.0151	0.0000	0.0000	0.0158
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-005	9.0000e-005	8.0000e-005	0.0000	7.0000e-005	0.0000	7.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0151	0.0151	0.0000	0.0000	0.0158

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1400e-003	0.0572	0.0777	1.2000e-004		2.8600e-003	2.8600e-003		2.7500e-003	2.7500e-003	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463
Total	6.1400e-003	0.0572	0.0777	1.2000e-004		2.8600e-003	2.8600e-003		2.7500e-003	2.7500e-003	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	3.4000e-004	3.2000e-004	0.0000	4.6000e-004	0.0000	4.6000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0560	0.0560	0.0000	1.0000e-005	0.0586
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0000e-005	3.4000e-004	3.2000e-004	0.0000	4.6000e-004	0.0000	4.6000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0560	0.0560	0.0000	1.0000e-005	0.0586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0700e-003	0.0508	0.0835	1.2000e-004		6.7000e-004	6.7000e-004		6.3000e-004	6.3000e-004	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463
Total	3.0700e-003	0.0508	0.0835	1.2000e-004		6.7000e-004	6.7000e-004		6.3000e-004	6.3000e-004	0.0000	10.8044	10.8044	1.6800e-003	0.0000	10.8463

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie stringing and pulling - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	3.4000e-004	3.2000e-004	0.0000	2.8000e-004	0.0000	2.8000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0560	0.0560	0.0000	1.0000e-005	0.0586
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0000e-005	3.4000e-004	3.2000e-004	0.0000	2.8000e-004	0.0000	2.8000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0560	0.0560	0.0000	1.0000e-005	0.0586

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5500e-003	0.0287	0.0339	6.0000e-005		1.3800e-003	1.3800e-003		1.3500e-003	1.3500e-003	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307
Total	3.5500e-003	0.0287	0.0339	6.0000e-005		1.3800e-003	1.3800e-003		1.3500e-003	1.3500e-003	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	7.0000e-005	7.0000e-005	0.0000	1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0122	0.0122	0.0000	0.0000	0.0127
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	7.0000e-005	7.0000e-005	0.0000	1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0122	0.0122	0.0000	0.0000	0.0127

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7700e-003	0.0250	0.0364	6.0000e-005		8.9000e-004	8.9000e-004		8.8000e-004	8.8000e-004	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307
Total	2.7700e-003	0.0250	0.0364	6.0000e-005		8.9000e-004	8.9000e-004		8.8000e-004	8.8000e-004	0.0000	5.1171	5.1171	5.4000e-004	0.0000	5.1307

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Gen-tie Foundation and Tower Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	7.0000e-005	7.0000e-005	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0122	0.0122	0.0000	0.0000	0.0127
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	7.0000e-005	7.0000e-005	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0122	0.0122	0.0000	0.0000	0.0127

3.10 Substation Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5276	5.2353	5.3536	0.0101		0.2519	0.2519		0.2345	0.2345	0.0000	884.8220	884.8220	0.2480	0.0000	891.0227
Total	0.5276	5.2353	5.3536	0.0101		0.2519	0.2519		0.2345	0.2345	0.0000	884.8220	884.8220	0.2480	0.0000	891.0227

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0229	0.0215	4.0000e-005	2.3400e-003	2.0000e-005	2.3700e-003	3.0000e-004	2.0000e-005	3.2000e-004	0.0000	3.7463	3.7463	9.0000e-005	5.8000e-004	3.9212
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.4800e-003	0.0229	0.0215	4.0000e-005	2.3400e-003	2.0000e-005	2.3700e-003	3.0000e-004	2.0000e-005	3.2000e-004	0.0000	3.7463	3.7463	9.0000e-005	5.8000e-004	3.9212

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3482	4.0642	5.8855	0.0101		0.1441	0.1441		0.1349	0.1349	0.0000	884.8210	884.8210	0.2480	0.0000	891.0217
Total	0.3482	4.0642	5.8855	0.0101		0.1441	0.1441		0.1349	0.1349	0.0000	884.8210	884.8210	0.2480	0.0000	891.0217

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Substation Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0229	0.0215	4.0000e-005	1.5500e-003	2.0000e-005	1.5800e-003	2.2000e-004	2.0000e-005	2.4000e-004	0.0000	3.7463	3.7463	9.0000e-005	5.8000e-004	3.9212
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.4800e-003	0.0229	0.0215	4.0000e-005	1.5500e-003	2.0000e-005	1.5800e-003	2.2000e-004	2.0000e-005	2.4000e-004	0.0000	3.7463	3.7463	9.0000e-005	5.8000e-004	3.9212

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	1.36731e+007	2,424.8612	0.2047	0.0248	2,437.3707
Total		2,424.8612	0.2047	0.0248	2,437.3707

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	1.36731e+007	2,424.8612	0.2047	0.0248	2,437.3707
Total		2,424.8612	0.2047	0.0248	2,437.3707

6.0 Area Detail

6.1 Mitigation Measures Area

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project - Noble Site HRA - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Cranes	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Total	1.8000e-004	1.9100e-003	9.2000e-004	0.0000		8.0000e-005	8.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation



Attachment B

AERMOD and HARP2 Outputs

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 7/27/2021
** File: F:\Lakes\Noble Site\Noble Site Construction\Noble Site Construction.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE F:\Lakes\Noble Site\Noble Site Construction\Noble Site Construction.
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Noble Site Construction.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Equipment
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 0.4523570712
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 24
** 538823.687, 3754571.799, 319.78, 3.40, 4.00
** 538837.629, 3753944.416, 297.70, 3.40, 4.00
** 539011.268, 3753946.951, 295.88, 3.40, 4.00
** 539008.733, 3754040.742, 299.73, 3.40, 4.00

```

** 538931.420, 3754119.323, 302.94, 3.40, 4.00
 ** 538927.617, 3754225.788, 306.41, 3.40, 4.00
 ** 538952.966, 3754322.114, 310.13, 3.40, 4.00
 ** 539067.036, 3754327.183, 310.96, 3.40, 4.00
 ** 538902.268, 3754566.729, 317.81, 3.40, 4.00
 ** 538846.501, 3754567.997, 319.08, 3.40, 4.00
 ** 538859.175, 3753972.300, 298.90, 3.40, 4.00
 ** 538980.850, 3753972.300, 297.43, 3.40, 4.00
 ** 538980.850, 3754036.939, 299.48, 3.40, 4.00
 ** 538908.606, 3754105.381, 302.91, 3.40, 4.00
 ** 538907.338, 3754254.939, 308.31, 3.40, 4.00
 ** 538935.222, 3754357.602, 310.91, 3.40, 4.00
 ** 539011.268, 3754358.869, 310.93, 3.40, 4.00
 ** 538898.466, 3754543.916, 317.47, 3.40, 4.00
 ** 538874.385, 3754545.183, 318.15, 3.40, 4.00
 ** 538884.524, 3753998.916, 299.73, 3.40, 4.00
 ** 538949.164, 3754000.184, 299.07, 3.40, 4.00
 ** 538947.896, 3754036.939, 300.01, 3.40, 4.00
 ** 538907.338, 3754076.230, 301.90, 3.40, 4.00
 ** 538911.141, 3754030.602, 300.49, 3.40, 4.00

** -----

LOCATION	L0001995	VOLUME	538823.783	3754567.500	319.64
LOCATION	L0001996	VOLUME	538823.974	3754558.902	319.40
LOCATION	L0001997	VOLUME	538824.165	3754550.305	319.22
LOCATION	L0001998	VOLUME	538824.356	3754541.707	319.01
LOCATION	L0001999	VOLUME	538824.547	3754533.109	318.88
LOCATION	L0002000	VOLUME	538824.738	3754524.511	318.80
LOCATION	L0002001	VOLUME	538824.929	3754515.913	318.73
LOCATION	L0002002	VOLUME	538825.120	3754507.315	318.64
LOCATION	L0002003	VOLUME	538825.311	3754498.717	318.56
LOCATION	L0002004	VOLUME	538825.502	3754490.119	318.37
LOCATION	L0002005	VOLUME	538825.693	3754481.522	318.13
LOCATION	L0002006	VOLUME	538825.884	3754472.924	317.96
LOCATION	L0002007	VOLUME	538826.075	3754464.326	317.80
LOCATION	L0002008	VOLUME	538826.267	3754455.728	317.67
LOCATION	L0002009	VOLUME	538826.458	3754447.130	317.60
LOCATION	L0002010	VOLUME	538826.649	3754438.532	317.54
LOCATION	L0002011	VOLUME	538826.840	3754429.934	317.41
LOCATION	L0002012	VOLUME	538827.031	3754421.336	317.31
LOCATION	L0002013	VOLUME	538827.222	3754412.739	317.11
LOCATION	L0002014	VOLUME	538827.413	3754404.141	316.69
LOCATION	L0002015	VOLUME	538827.604	3754395.543	316.03
LOCATION	L0002016	VOLUME	538827.795	3754386.945	315.27
LOCATION	L0002017	VOLUME	538827.986	3754378.347	314.43
LOCATION	L0002018	VOLUME	538828.177	3754369.749	313.68
LOCATION	L0002019	VOLUME	538828.368	3754361.151	313.05
LOCATION	L0002020	VOLUME	538828.559	3754352.553	312.53
LOCATION	L0002021	VOLUME	538828.750	3754343.956	312.13
LOCATION	L0002022	VOLUME	538828.941	3754335.358	311.86
LOCATION	L0002023	VOLUME	538829.132	3754326.760	311.73

LOCATION	L0002024	VOLUME	538829.324	3754318.162	311.48
LOCATION	L0002025	VOLUME	538829.515	3754309.564	311.20
LOCATION	L0002026	VOLUME	538829.706	3754300.966	310.90
LOCATION	L0002027	VOLUME	538829.897	3754292.368	310.57
LOCATION	L0002028	VOLUME	538830.088	3754283.770	310.31
LOCATION	L0002029	VOLUME	538830.279	3754275.172	310.05
LOCATION	L0002030	VOLUME	538830.470	3754266.575	309.78
LOCATION	L0002031	VOLUME	538830.661	3754257.977	309.48
LOCATION	L0002032	VOLUME	538830.852	3754249.379	309.18
LOCATION	L0002033	VOLUME	538831.043	3754240.781	308.88
LOCATION	L0002034	VOLUME	538831.234	3754232.183	308.47
LOCATION	L0002035	VOLUME	538831.425	3754223.585	308.08
LOCATION	L0002036	VOLUME	538831.616	3754214.987	307.73
LOCATION	L0002037	VOLUME	538831.807	3754206.389	307.40
LOCATION	L0002038	VOLUME	538831.998	3754197.792	307.04
LOCATION	L0002039	VOLUME	538832.190	3754189.194	306.67
LOCATION	L0002040	VOLUME	538832.381	3754180.596	306.27
LOCATION	L0002041	VOLUME	538832.572	3754171.998	305.91
LOCATION	L0002042	VOLUME	538832.763	3754163.400	305.57
LOCATION	L0002043	VOLUME	538832.954	3754154.802	305.22
LOCATION	L0002044	VOLUME	538833.145	3754146.204	304.90
LOCATION	L0002045	VOLUME	538833.336	3754137.606	304.60
LOCATION	L0002046	VOLUME	538833.527	3754129.009	304.30
LOCATION	L0002047	VOLUME	538833.718	3754120.411	304.00
LOCATION	L0002048	VOLUME	538833.909	3754111.813	303.71
LOCATION	L0002049	VOLUME	538834.100	3754103.215	303.41
LOCATION	L0002050	VOLUME	538834.291	3754094.617	303.13
LOCATION	L0002051	VOLUME	538834.482	3754086.019	302.85
LOCATION	L0002052	VOLUME	538834.673	3754077.421	302.53
LOCATION	L0002053	VOLUME	538834.864	3754068.823	302.18
LOCATION	L0002054	VOLUME	538835.055	3754060.226	301.85
LOCATION	L0002055	VOLUME	538835.247	3754051.628	301.58
LOCATION	L0002056	VOLUME	538835.438	3754043.030	301.28
LOCATION	L0002057	VOLUME	538835.629	3754034.432	300.97
LOCATION	L0002058	VOLUME	538835.820	3754025.834	300.70
LOCATION	L0002059	VOLUME	538836.011	3754017.236	300.44
LOCATION	L0002060	VOLUME	538836.202	3754008.638	300.18
LOCATION	L0002061	VOLUME	538836.393	3754000.040	299.93
LOCATION	L0002062	VOLUME	538836.584	3753991.443	299.62
LOCATION	L0002063	VOLUME	538836.775	3753982.845	299.28
LOCATION	L0002064	VOLUME	538836.966	3753974.247	298.94
LOCATION	L0002065	VOLUME	538837.157	3753965.649	298.59
LOCATION	L0002066	VOLUME	538837.348	3753957.051	298.21
LOCATION	L0002067	VOLUME	538837.539	3753948.453	297.86
LOCATION	L0002068	VOLUME	538842.191	3753944.483	297.73
LOCATION	L0002069	VOLUME	538850.790	3753944.608	297.73
LOCATION	L0002070	VOLUME	538859.389	3753944.734	297.67
LOCATION	L0002071	VOLUME	538867.988	3753944.859	297.65
LOCATION	L0002072	VOLUME	538876.587	3753944.985	297.66
LOCATION	L0002073	VOLUME	538885.186	3753945.111	297.62

LOCATION	L0002074	VOLUME	538893.785	3753945.236	297.54
LOCATION	L0002075	VOLUME	538902.384	3753945.362	297.46
LOCATION	L0002076	VOLUME	538910.983	3753945.487	297.37
LOCATION	L0002077	VOLUME	538919.582	3753945.613	297.22
LOCATION	L0002078	VOLUME	538928.182	3753945.738	297.11
LOCATION	L0002079	VOLUME	538936.781	3753945.864	297.04
LOCATION	L0002080	VOLUME	538945.380	3753945.989	296.91
LOCATION	L0002081	VOLUME	538953.979	3753946.115	296.78
LOCATION	L0002082	VOLUME	538962.578	3753946.240	296.67
LOCATION	L0002083	VOLUME	538971.177	3753946.366	296.53
LOCATION	L0002084	VOLUME	538979.776	3753946.491	296.42
LOCATION	L0002085	VOLUME	538988.375	3753946.617	296.29
LOCATION	L0002086	VOLUME	538996.974	3753946.742	296.17
LOCATION	L0002087	VOLUME	539005.573	3753946.868	296.05
LOCATION	L0002088	VOLUME	539011.190	3753949.854	296.07
LOCATION	L0002089	VOLUME	539010.958	3753958.451	296.44
LOCATION	L0002090	VOLUME	539010.725	3753967.048	296.83
LOCATION	L0002091	VOLUME	539010.493	3753975.645	297.10
LOCATION	L0002092	VOLUME	539010.260	3753984.242	297.45
LOCATION	L0002093	VOLUME	539010.028	3753992.839	297.79
LOCATION	L0002094	VOLUME	539009.796	3754001.436	298.09
LOCATION	L0002095	VOLUME	539009.563	3754010.032	298.39
LOCATION	L0002096	VOLUME	539009.331	3754018.629	298.76
LOCATION	L0002097	VOLUME	539009.099	3754027.226	299.16
LOCATION	L0002098	VOLUME	539008.866	3754035.823	299.48
LOCATION	L0002099	VOLUME	539006.153	3754043.365	299.73
LOCATION	L0002100	VOLUME	539000.121	3754049.495	299.94
LOCATION	L0002101	VOLUME	538994.090	3754055.625	300.17
LOCATION	L0002102	VOLUME	538988.058	3754061.756	300.41
LOCATION	L0002103	VOLUME	538982.027	3754067.886	300.66
LOCATION	L0002104	VOLUME	538975.996	3754074.016	300.92
LOCATION	L0002105	VOLUME	538969.964	3754080.147	301.19
LOCATION	L0002106	VOLUME	538963.933	3754086.277	301.46
LOCATION	L0002107	VOLUME	538957.901	3754092.407	301.73
LOCATION	L0002108	VOLUME	538951.870	3754098.538	302.00
LOCATION	L0002109	VOLUME	538945.838	3754104.668	302.31
LOCATION	L0002110	VOLUME	538939.807	3754110.799	302.61
LOCATION	L0002111	VOLUME	538933.775	3754116.929	302.92
LOCATION	L0002112	VOLUME	538931.233	3754124.561	303.22
LOCATION	L0002113	VOLUME	538930.926	3754133.156	303.52
LOCATION	L0002114	VOLUME	538930.619	3754141.750	303.81
LOCATION	L0002115	VOLUME	538930.312	3754150.345	304.12
LOCATION	L0002116	VOLUME	538930.005	3754158.939	304.39
LOCATION	L0002117	VOLUME	538929.698	3754167.534	304.69
LOCATION	L0002118	VOLUME	538929.391	3754176.128	305.00
LOCATION	L0002119	VOLUME	538929.084	3754184.723	305.27
LOCATION	L0002120	VOLUME	538928.777	3754193.317	305.48
LOCATION	L0002121	VOLUME	538928.470	3754201.912	305.73
LOCATION	L0002122	VOLUME	538928.163	3754210.506	306.01
LOCATION	L0002123	VOLUME	538927.856	3754219.101	306.28

LOCATION	L0002124	VOLUME	538928.103	3754227.634	306.51
LOCATION	L0002125	VOLUME	538930.292	3754235.951	306.74
LOCATION	L0002126	VOLUME	538932.480	3754244.267	307.13
LOCATION	L0002127	VOLUME	538934.669	3754252.584	307.52
LOCATION	L0002128	VOLUME	538936.858	3754260.901	307.84
LOCATION	L0002129	VOLUME	538939.046	3754269.218	308.29
LOCATION	L0002130	VOLUME	538941.235	3754277.535	308.73
LOCATION	L0002131	VOLUME	538943.423	3754285.852	309.08
LOCATION	L0002132	VOLUME	538945.612	3754294.168	309.51
LOCATION	L0002133	VOLUME	538947.801	3754302.485	309.71
LOCATION	L0002134	VOLUME	538949.989	3754310.802	309.87
LOCATION	L0002135	VOLUME	538952.178	3754319.119	310.06
LOCATION	L0002136	VOLUME	538958.464	3754322.358	310.04
LOCATION	L0002137	VOLUME	538967.056	3754322.740	309.98
LOCATION	L0002138	VOLUME	538975.647	3754323.122	309.95
LOCATION	L0002139	VOLUME	538984.239	3754323.503	309.95
LOCATION	L0002140	VOLUME	538992.830	3754323.885	309.98
LOCATION	L0002141	VOLUME	539001.422	3754324.267	309.95
LOCATION	L0002142	VOLUME	539010.013	3754324.649	309.96
LOCATION	L0002143	VOLUME	539018.605	3754325.031	310.04
LOCATION	L0002144	VOLUME	539027.196	3754325.413	310.14
LOCATION	L0002145	VOLUME	539035.788	3754325.794	310.29
LOCATION	L0002146	VOLUME	539044.379	3754326.176	310.52
LOCATION	L0002147	VOLUME	539052.971	3754326.558	310.76
LOCATION	L0002148	VOLUME	539061.562	3754326.940	310.99
LOCATION	L0002149	VOLUME	539065.267	3754329.755	311.21
LOCATION	L0002150	VOLUME	539060.393	3754336.841	311.33
LOCATION	L0002151	VOLUME	539055.519	3754343.926	311.41
LOCATION	L0002152	VOLUME	539050.646	3754351.012	311.49
LOCATION	L0002153	VOLUME	539045.772	3754358.098	311.61
LOCATION	L0002154	VOLUME	539040.898	3754365.183	311.77
LOCATION	L0002155	VOLUME	539036.024	3754372.269	312.01
LOCATION	L0002156	VOLUME	539031.151	3754379.355	312.13
LOCATION	L0002157	VOLUME	539026.277	3754386.440	312.19
LOCATION	L0002158	VOLUME	539021.403	3754393.526	312.29
LOCATION	L0002159	VOLUME	539016.529	3754400.612	312.28
LOCATION	L0002160	VOLUME	539011.656	3754407.697	312.22
LOCATION	L0002161	VOLUME	539006.782	3754414.783	312.74
LOCATION	L0002162	VOLUME	539001.908	3754421.869	313.40
LOCATION	L0002163	VOLUME	538997.035	3754428.954	313.97
LOCATION	L0002164	VOLUME	538992.161	3754436.040	314.46
LOCATION	L0002165	VOLUME	538987.287	3754443.126	314.91
LOCATION	L0002166	VOLUME	538982.413	3754450.211	315.43
LOCATION	L0002167	VOLUME	538977.540	3754457.297	315.65
LOCATION	L0002168	VOLUME	538972.666	3754464.383	315.89
LOCATION	L0002169	VOLUME	538967.792	3754471.468	316.19
LOCATION	L0002170	VOLUME	538962.918	3754478.554	316.50
LOCATION	L0002171	VOLUME	538958.045	3754485.640	316.78
LOCATION	L0002172	VOLUME	538953.171	3754492.725	316.95
LOCATION	L0002173	VOLUME	538948.297	3754499.811	317.00

LOCATION	L0002174	VOLUME	538943.423	3754506.897	316.74
LOCATION	L0002175	VOLUME	538938.550	3754513.982	316.61
LOCATION	L0002176	VOLUME	538933.676	3754521.068	316.70
LOCATION	L0002177	VOLUME	538928.802	3754528.154	316.98
LOCATION	L0002178	VOLUME	538923.928	3754535.239	317.27
LOCATION	L0002179	VOLUME	538919.055	3754542.325	317.51
LOCATION	L0002180	VOLUME	538914.181	3754549.411	317.70
LOCATION	L0002181	VOLUME	538909.307	3754556.496	317.78
LOCATION	L0002182	VOLUME	538904.433	3754563.582	317.87
LOCATION	L0002183	VOLUME	538897.490	3754566.838	317.90
LOCATION	L0002184	VOLUME	538888.892	3754567.033	317.92
LOCATION	L0002185	VOLUME	538880.294	3754567.229	318.07
LOCATION	L0002186	VOLUME	538871.697	3754567.424	318.39
LOCATION	L0002187	VOLUME	538863.099	3754567.620	318.73
LOCATION	L0002188	VOLUME	538854.501	3754567.815	319.02
LOCATION	L0002189	VOLUME	538846.514	3754567.399	319.22
LOCATION	L0002190	VOLUME	538846.697	3754558.801	319.09
LOCATION	L0002191	VOLUME	538846.880	3754550.203	318.99
LOCATION	L0002192	VOLUME	538847.063	3754541.605	318.90
LOCATION	L0002193	VOLUME	538847.246	3754533.007	318.79
LOCATION	L0002194	VOLUME	538847.429	3754524.409	318.64
LOCATION	L0002195	VOLUME	538847.611	3754515.811	318.48
LOCATION	L0002196	VOLUME	538847.794	3754507.213	318.30
LOCATION	L0002197	VOLUME	538847.977	3754498.615	318.12
LOCATION	L0002198	VOLUME	538848.160	3754490.017	318.00
LOCATION	L0002199	VOLUME	538848.343	3754481.419	317.94
LOCATION	L0002200	VOLUME	538848.526	3754472.821	317.93
LOCATION	L0002201	VOLUME	538848.709	3754464.223	317.93
LOCATION	L0002202	VOLUME	538848.892	3754455.624	317.92
LOCATION	L0002203	VOLUME	538849.075	3754447.026	317.90
LOCATION	L0002204	VOLUME	538849.258	3754438.428	317.95
LOCATION	L0002205	VOLUME	538849.441	3754429.830	317.91
LOCATION	L0002206	VOLUME	538849.624	3754421.232	317.85
LOCATION	L0002207	VOLUME	538849.807	3754412.634	317.51
LOCATION	L0002208	VOLUME	538849.990	3754404.036	316.73
LOCATION	L0002209	VOLUME	538850.173	3754395.438	315.62
LOCATION	L0002210	VOLUME	538850.355	3754386.840	314.77
LOCATION	L0002211	VOLUME	538850.538	3754378.242	314.04
LOCATION	L0002212	VOLUME	538850.721	3754369.644	313.53
LOCATION	L0002213	VOLUME	538850.904	3754361.046	313.09
LOCATION	L0002214	VOLUME	538851.087	3754352.448	312.61
LOCATION	L0002215	VOLUME	538851.270	3754343.850	312.07
LOCATION	L0002216	VOLUME	538851.453	3754335.252	311.70
LOCATION	L0002217	VOLUME	538851.636	3754326.654	311.50
LOCATION	L0002218	VOLUME	538851.819	3754318.056	311.28
LOCATION	L0002219	VOLUME	538852.002	3754309.458	311.06
LOCATION	L0002220	VOLUME	538852.185	3754300.859	310.88
LOCATION	L0002221	VOLUME	538852.368	3754292.261	310.74
LOCATION	L0002222	VOLUME	538852.551	3754283.663	310.54
LOCATION	L0002223	VOLUME	538852.734	3754275.065	310.22

LOCATION	L0002224	VOLUME	538852.917	3754266.467	309.84
LOCATION	L0002225	VOLUME	538853.100	3754257.869	309.47
LOCATION	L0002226	VOLUME	538853.282	3754249.271	309.06
LOCATION	L0002227	VOLUME	538853.465	3754240.673	308.60
LOCATION	L0002228	VOLUME	538853.648	3754232.075	308.19
LOCATION	L0002229	VOLUME	538853.831	3754223.477	307.84
LOCATION	L0002230	VOLUME	538854.014	3754214.879	307.48
LOCATION	L0002231	VOLUME	538854.197	3754206.281	307.11
LOCATION	L0002232	VOLUME	538854.380	3754197.683	306.75
LOCATION	L0002233	VOLUME	538854.563	3754189.085	306.40
LOCATION	L0002234	VOLUME	538854.746	3754180.487	306.11
LOCATION	L0002235	VOLUME	538854.929	3754171.889	305.79
LOCATION	L0002236	VOLUME	538855.112	3754163.291	305.44
LOCATION	L0002237	VOLUME	538855.295	3754154.693	305.09
LOCATION	L0002238	VOLUME	538855.478	3754146.095	304.76
LOCATION	L0002239	VOLUME	538855.661	3754137.496	304.45
LOCATION	L0002240	VOLUME	538855.844	3754128.898	304.15
LOCATION	L0002241	VOLUME	538856.027	3754120.300	303.85
LOCATION	L0002242	VOLUME	538856.209	3754111.702	303.55
LOCATION	L0002243	VOLUME	538856.392	3754103.104	303.25
LOCATION	L0002244	VOLUME	538856.575	3754094.506	302.95
LOCATION	L0002245	VOLUME	538856.758	3754085.908	302.65
LOCATION	L0002246	VOLUME	538856.941	3754077.310	302.35
LOCATION	L0002247	VOLUME	538857.124	3754068.712	302.04
LOCATION	L0002248	VOLUME	538857.307	3754060.114	301.74
LOCATION	L0002249	VOLUME	538857.490	3754051.516	301.47
LOCATION	L0002250	VOLUME	538857.673	3754042.918	301.21
LOCATION	L0002251	VOLUME	538857.856	3754034.320	300.95
LOCATION	L0002252	VOLUME	538858.039	3754025.722	300.70
LOCATION	L0002253	VOLUME	538858.222	3754017.124	300.47
LOCATION	L0002254	VOLUME	538858.405	3754008.526	300.19
LOCATION	L0002255	VOLUME	538858.588	3753999.928	299.92
LOCATION	L0002256	VOLUME	538858.771	3753991.330	299.67
LOCATION	L0002257	VOLUME	538858.954	3753982.731	299.34
LOCATION	L0002258	VOLUME	538859.136	3753974.133	298.94
LOCATION	L0002259	VOLUME	538865.942	3753972.300	298.86
LOCATION	L0002260	VOLUME	538874.542	3753972.300	298.82
LOCATION	L0002261	VOLUME	538883.142	3753972.300	298.76
LOCATION	L0002262	VOLUME	538891.742	3753972.300	298.71
LOCATION	L0002263	VOLUME	538900.342	3753972.300	298.62
LOCATION	L0002264	VOLUME	538908.942	3753972.300	298.50
LOCATION	L0002265	VOLUME	538917.542	3753972.300	298.39
LOCATION	L0002266	VOLUME	538926.142	3753972.300	298.25
LOCATION	L0002267	VOLUME	538934.742	3753972.300	298.13
LOCATION	L0002268	VOLUME	538943.342	3753972.300	298.01
LOCATION	L0002269	VOLUME	538951.942	3753972.300	297.84
LOCATION	L0002270	VOLUME	538960.542	3753972.300	297.67
LOCATION	L0002271	VOLUME	538969.142	3753972.300	297.52
LOCATION	L0002272	VOLUME	538977.742	3753972.300	297.40
LOCATION	L0002273	VOLUME	538980.850	3753977.792	297.56

LOCATION	L0002274	VOLUME	538980.850	3753986.392	297.84
LOCATION	L0002275	VOLUME	538980.850	3753994.992	298.14
LOCATION	L0002276	VOLUME	538980.850	3754003.592	298.42
LOCATION	L0002277	VOLUME	538980.850	3754012.192	298.68
LOCATION	L0002278	VOLUME	538980.850	3754020.792	298.94
LOCATION	L0002279	VOLUME	538980.850	3754029.392	299.20
LOCATION	L0002280	VOLUME	538980.086	3754037.663	299.47
LOCATION	L0002281	VOLUME	538973.843	3754043.578	299.71
LOCATION	L0002282	VOLUME	538967.599	3754049.492	299.98
LOCATION	L0002283	VOLUME	538961.356	3754055.407	300.28
LOCATION	L0002284	VOLUME	538955.113	3754061.322	300.61
LOCATION	L0002285	VOLUME	538948.870	3754067.236	300.91
LOCATION	L0002286	VOLUME	538942.627	3754073.151	301.24
LOCATION	L0002287	VOLUME	538936.383	3754079.065	301.53
LOCATION	L0002288	VOLUME	538930.140	3754084.980	301.81
LOCATION	L0002289	VOLUME	538923.897	3754090.895	302.10
LOCATION	L0002290	VOLUME	538917.654	3754096.809	302.38
LOCATION	L0002291	VOLUME	538911.411	3754102.724	302.67
LOCATION	L0002292	VOLUME	538908.566	3754110.117	302.99
LOCATION	L0002293	VOLUME	538908.493	3754118.717	303.29
LOCATION	L0002294	VOLUME	538908.420	3754127.317	303.59
LOCATION	L0002295	VOLUME	538908.347	3754135.916	303.90
LOCATION	L0002296	VOLUME	538908.274	3754144.516	304.21
LOCATION	L0002297	VOLUME	538908.201	3754153.116	304.51
LOCATION	L0002298	VOLUME	538908.128	3754161.715	304.81
LOCATION	L0002299	VOLUME	538908.055	3754170.315	305.11
LOCATION	L0002300	VOLUME	538907.983	3754178.915	305.41
LOCATION	L0002301	VOLUME	538907.910	3754187.514	305.70
LOCATION	L0002302	VOLUME	538907.837	3754196.114	306.00
LOCATION	L0002303	VOLUME	538907.764	3754204.714	306.29
LOCATION	L0002304	VOLUME	538907.691	3754213.313	306.54
LOCATION	L0002305	VOLUME	538907.618	3754221.913	306.83
LOCATION	L0002306	VOLUME	538907.545	3754230.513	307.17
LOCATION	L0002307	VOLUME	538907.472	3754239.113	307.49
LOCATION	L0002308	VOLUME	538907.399	3754247.712	307.90
LOCATION	L0002309	VOLUME	538907.698	3754256.264	308.47
LOCATION	L0002310	VOLUME	538909.952	3754264.563	309.10
LOCATION	L0002311	VOLUME	538912.206	3754272.863	309.62
LOCATION	L0002312	VOLUME	538914.460	3754281.162	310.06
LOCATION	L0002313	VOLUME	538916.715	3754289.461	310.41
LOCATION	L0002314	VOLUME	538918.969	3754297.761	310.64
LOCATION	L0002315	VOLUME	538921.223	3754306.060	310.75
LOCATION	L0002316	VOLUME	538923.477	3754314.359	310.70
LOCATION	L0002317	VOLUME	538925.731	3754322.659	310.65
LOCATION	L0002318	VOLUME	538927.985	3754330.958	310.58
LOCATION	L0002319	VOLUME	538930.239	3754339.257	310.58
LOCATION	L0002320	VOLUME	538932.494	3754347.557	310.69
LOCATION	L0002321	VOLUME	538934.748	3754355.856	310.92
LOCATION	L0002322	VOLUME	538942.012	3754357.715	311.29
LOCATION	L0002323	VOLUME	538950.611	3754357.858	311.61

LOCATION	L0002324	VOLUME	538959.209	3754358.002	311.75
LOCATION	L0002325	VOLUME	538967.808	3754358.145	311.72
LOCATION	L0002326	VOLUME	538976.407	3754358.288	311.56
LOCATION	L0002327	VOLUME	538985.006	3754358.432	311.32
LOCATION	L0002328	VOLUME	538993.605	3754358.575	311.08
LOCATION	L0002329	VOLUME	539002.203	3754358.718	310.92
LOCATION	L0002330	VOLUME	539010.802	3754358.862	310.91
LOCATION	L0002331	VOLUME	539007.035	3754365.814	311.09
LOCATION	L0002332	VOLUME	539002.558	3754373.158	311.20
LOCATION	L0002333	VOLUME	538998.082	3754380.501	311.35
LOCATION	L0002334	VOLUME	538993.606	3754387.844	311.52
LOCATION	L0002335	VOLUME	538989.129	3754395.187	311.77
LOCATION	L0002336	VOLUME	538984.653	3754402.530	312.07
LOCATION	L0002337	VOLUME	538980.177	3754409.874	312.55
LOCATION	L0002338	VOLUME	538975.700	3754417.217	313.03
LOCATION	L0002339	VOLUME	538971.224	3754424.560	313.41
LOCATION	L0002340	VOLUME	538966.748	3754431.903	313.85
LOCATION	L0002341	VOLUME	538962.271	3754439.246	314.37
LOCATION	L0002342	VOLUME	538957.795	3754446.590	314.70
LOCATION	L0002343	VOLUME	538953.319	3754453.933	315.10
LOCATION	L0002344	VOLUME	538948.842	3754461.276	315.45
LOCATION	L0002345	VOLUME	538944.366	3754468.619	315.69
LOCATION	L0002346	VOLUME	538939.890	3754475.962	315.98
LOCATION	L0002347	VOLUME	538935.413	3754483.306	316.17
LOCATION	L0002348	VOLUME	538930.937	3754490.649	316.13
LOCATION	L0002349	VOLUME	538926.461	3754497.992	316.06
LOCATION	L0002350	VOLUME	538921.984	3754505.335	316.28
LOCATION	L0002351	VOLUME	538917.508	3754512.678	316.54
LOCATION	L0002352	VOLUME	538913.032	3754520.022	316.73
LOCATION	L0002353	VOLUME	538908.555	3754527.365	316.90
LOCATION	L0002354	VOLUME	538904.079	3754534.708	317.15
LOCATION	L0002355	VOLUME	538899.603	3754542.051	317.36
LOCATION	L0002356	VOLUME	538892.059	3754544.253	317.60
LOCATION	L0002357	VOLUME	538883.471	3754544.705	317.86
LOCATION	L0002358	VOLUME	538874.882	3754545.157	318.14
LOCATION	L0002359	VOLUME	538874.535	3754537.083	318.07
LOCATION	L0002360	VOLUME	538874.695	3754528.484	317.93
LOCATION	L0002361	VOLUME	538874.854	3754519.886	317.80
LOCATION	L0002362	VOLUME	538875.014	3754511.287	317.67
LOCATION	L0002363	VOLUME	538875.174	3754502.689	317.49
LOCATION	L0002364	VOLUME	538875.333	3754494.090	317.27
LOCATION	L0002365	VOLUME	538875.493	3754485.492	317.05
LOCATION	L0002366	VOLUME	538875.652	3754476.893	316.86
LOCATION	L0002367	VOLUME	538875.812	3754468.295	316.67
LOCATION	L0002368	VOLUME	538875.972	3754459.696	316.72
LOCATION	L0002369	VOLUME	538876.131	3754451.098	316.77
LOCATION	L0002370	VOLUME	538876.291	3754442.499	316.72
LOCATION	L0002371	VOLUME	538876.450	3754433.900	316.50
LOCATION	L0002372	VOLUME	538876.610	3754425.302	316.10
LOCATION	L0002373	VOLUME	538876.770	3754416.703	315.57

LOCATION	L0002374	VOLUME	538876.929	3754408.105	314.86
LOCATION	L0002375	VOLUME	538877.089	3754399.506	313.84
LOCATION	L0002376	VOLUME	538877.248	3754390.908	313.24
LOCATION	L0002377	VOLUME	538877.408	3754382.309	312.91
LOCATION	L0002378	VOLUME	538877.568	3754373.711	312.68
LOCATION	L0002379	VOLUME	538877.727	3754365.112	312.51
LOCATION	L0002380	VOLUME	538877.887	3754356.514	312.38
LOCATION	L0002381	VOLUME	538878.046	3754347.915	312.37
LOCATION	L0002382	VOLUME	538878.206	3754339.317	312.34
LOCATION	L0002383	VOLUME	538878.366	3754330.718	312.23
LOCATION	L0002384	VOLUME	538878.525	3754322.120	312.07
LOCATION	L0002385	VOLUME	538878.685	3754313.521	311.92
LOCATION	L0002386	VOLUME	538878.844	3754304.923	311.76
LOCATION	L0002387	VOLUME	538879.004	3754296.324	311.63
LOCATION	L0002388	VOLUME	538879.164	3754287.726	311.25
LOCATION	L0002389	VOLUME	538879.323	3754279.127	310.76
LOCATION	L0002390	VOLUME	538879.483	3754270.529	310.18
LOCATION	L0002391	VOLUME	538879.642	3754261.930	309.55
LOCATION	L0002392	VOLUME	538879.802	3754253.332	308.88
LOCATION	L0002393	VOLUME	538879.962	3754244.733	308.38
LOCATION	L0002394	VOLUME	538880.121	3754236.135	307.97
LOCATION	L0002395	VOLUME	538880.281	3754227.536	307.63
LOCATION	L0002396	VOLUME	538880.440	3754218.937	307.31
LOCATION	L0002397	VOLUME	538880.600	3754210.339	307.01
LOCATION	L0002398	VOLUME	538880.760	3754201.740	306.72
LOCATION	L0002399	VOLUME	538880.919	3754193.142	306.36
LOCATION	L0002400	VOLUME	538881.079	3754184.543	306.01
LOCATION	L0002401	VOLUME	538881.238	3754175.945	305.67
LOCATION	L0002402	VOLUME	538881.398	3754167.346	305.33
LOCATION	L0002403	VOLUME	538881.558	3754158.748	305.01
LOCATION	L0002404	VOLUME	538881.717	3754150.149	304.71
LOCATION	L0002405	VOLUME	538881.877	3754141.551	304.41
LOCATION	L0002406	VOLUME	538882.036	3754132.952	304.06
LOCATION	L0002407	VOLUME	538882.196	3754124.354	303.75
LOCATION	L0002408	VOLUME	538882.356	3754115.755	303.45
LOCATION	L0002409	VOLUME	538882.515	3754107.157	303.15
LOCATION	L0002410	VOLUME	538882.675	3754098.558	302.85
LOCATION	L0002411	VOLUME	538882.834	3754089.960	302.54
LOCATION	L0002412	VOLUME	538882.994	3754081.361	302.21
LOCATION	L0002413	VOLUME	538883.154	3754072.763	301.91
LOCATION	L0002414	VOLUME	538883.313	3754064.164	301.67
LOCATION	L0002415	VOLUME	538883.473	3754055.566	301.45
LOCATION	L0002416	VOLUME	538883.632	3754046.967	301.21
LOCATION	L0002417	VOLUME	538883.792	3754038.369	300.94
LOCATION	L0002418	VOLUME	538883.952	3754029.770	300.71
LOCATION	L0002419	VOLUME	538884.111	3754021.172	300.46
LOCATION	L0002420	VOLUME	538884.271	3754012.573	300.20
LOCATION	L0002421	VOLUME	538884.430	3754003.975	299.94
LOCATION	L0002422	VOLUME	538888.064	3753998.986	299.78
LOCATION	L0002423	VOLUME	538896.663	3753999.154	299.70

LOCATION L0002424	VOLUME	538905.261	3753999.323	299.58
LOCATION L0002425	VOLUME	538913.859	3753999.491	299.48
LOCATION L0002426	VOLUME	538922.458	3753999.660	299.39
LOCATION L0002427	VOLUME	538931.056	3753999.829	299.25
LOCATION L0002428	VOLUME	538939.655	3753999.997	299.09
LOCATION L0002429	VOLUME	538948.253	3754000.166	298.92
LOCATION L0002430	VOLUME	538948.899	3754007.868	299.20
LOCATION L0002431	VOLUME	538948.602	3754016.463	299.45
LOCATION L0002432	VOLUME	538948.306	3754025.058	299.67
LOCATION L0002433	VOLUME	538948.010	3754033.653	299.89
LOCATION L0002434	VOLUME	538944.082	3754040.635	300.16
LOCATION L0002435	VOLUME	538937.905	3754046.619	300.48
LOCATION L0002436	VOLUME	538931.728	3754052.603	300.78
LOCATION L0002437	VOLUME	538925.551	3754058.587	301.03
LOCATION L0002438	VOLUME	538919.374	3754064.570	301.29
LOCATION L0002439	VOLUME	538913.197	3754070.554	301.56
LOCATION L0002440	VOLUME	538907.375	3754075.789	301.82
LOCATION L0002441	VOLUME	538908.089	3754067.219	301.52
LOCATION L0002442	VOLUME	538908.803	3754058.648	301.28
LOCATION L0002443	VOLUME	538909.518	3754050.078	301.03
LOCATION L0002444	VOLUME	538910.232	3754041.508	300.78
LOCATION L0002445	VOLUME	538910.946	3754032.938	300.51

** End of LINE VOLUME Source ID = SLINE1

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Construction

** PREFIX

** Length of Side = 8.60

** Configuration = Adjacent

** Emission Rate = 0.0541624875

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 6

** 538895.931, 3754502.090, 316.81, 3.40, 4.00

** 538964.373, 3754385.486, 312.40, 3.40, 4.00

** 538912.408, 3754382.951, 311.25, 3.40, 4.00

** 538901.001, 3754313.241, 311.60, 3.40, 4.00

** 538901.001, 3754464.067, 315.69, 3.40, 4.00

** 538922.548, 3754409.567, 311.85, 3.40, 4.00

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LOCATION L0002446	VOLUME	538898.108	3754498.382	316.66
LOCATION L0002447	VOLUME	538902.461	3754490.965	316.38
LOCATION L0002448	VOLUME	538906.815	3754483.548	316.04
LOCATION L0002449	VOLUME	538911.168	3754476.131	315.79
LOCATION L0002450	VOLUME	538915.521	3754468.715	315.62
LOCATION L0002451	VOLUME	538919.875	3754461.298	315.36
LOCATION L0002452	VOLUME	538924.228	3754453.881	314.97
LOCATION L0002453	VOLUME	538928.581	3754446.464	314.54
LOCATION L0002454	VOLUME	538932.935	3754439.047	314.04

LOCATION	L0002455	VOLUME	538937.288	3754431.631	313.55
LOCATION	L0002456	VOLUME	538941.641	3754424.214	313.04
LOCATION	L0002457	VOLUME	538945.995	3754416.797	312.61
LOCATION	L0002458	VOLUME	538950.348	3754409.380	312.54
LOCATION	L0002459	VOLUME	538954.701	3754401.964	312.63
LOCATION	L0002460	VOLUME	538959.054	3754394.547	312.70
LOCATION	L0002461	VOLUME	538963.408	3754387.130	312.45
LOCATION	L0002462	VOLUME	538957.688	3754385.159	312.31
LOCATION	L0002463	VOLUME	538949.098	3754384.740	311.98
LOCATION	L0002464	VOLUME	538940.508	3754384.321	311.63
LOCATION	L0002465	VOLUME	538931.918	3754383.902	311.32
LOCATION	L0002466	VOLUME	538923.329	3754383.483	311.16
LOCATION	L0002467	VOLUME	538914.739	3754383.064	311.21
LOCATION	L0002468	VOLUME	538911.396	3754376.767	311.19
LOCATION	L0002469	VOLUME	538910.007	3754368.279	311.22
LOCATION	L0002470	VOLUME	538908.618	3754359.792	311.27
LOCATION	L0002471	VOLUME	538907.230	3754351.305	311.30
LOCATION	L0002472	VOLUME	538905.841	3754342.818	311.33
LOCATION	L0002473	VOLUME	538904.452	3754334.331	311.40
LOCATION	L0002474	VOLUME	538903.063	3754325.844	311.58
LOCATION	L0002475	VOLUME	538901.674	3754317.357	311.64
LOCATION	L0002476	VOLUME	538901.001	3754317.671	311.67
LOCATION	L0002477	VOLUME	538901.001	3754326.271	311.65
LOCATION	L0002478	VOLUME	538901.001	3754334.871	311.55
LOCATION	L0002479	VOLUME	538901.001	3754343.471	311.54
LOCATION	L0002480	VOLUME	538901.001	3754352.071	311.57
LOCATION	L0002481	VOLUME	538901.001	3754360.671	311.58
LOCATION	L0002482	VOLUME	538901.001	3754369.271	311.58
LOCATION	L0002483	VOLUME	538901.001	3754377.871	311.60
LOCATION	L0002484	VOLUME	538901.001	3754386.471	311.60
LOCATION	L0002485	VOLUME	538901.001	3754395.071	311.68
LOCATION	L0002486	VOLUME	538901.001	3754403.671	312.12
LOCATION	L0002487	VOLUME	538901.001	3754412.271	312.75
LOCATION	L0002488	VOLUME	538901.001	3754420.871	313.45
LOCATION	L0002489	VOLUME	538901.001	3754429.471	314.13
LOCATION	L0002490	VOLUME	538901.001	3754438.071	314.74
LOCATION	L0002491	VOLUME	538901.001	3754446.671	315.20
LOCATION	L0002492	VOLUME	538901.001	3754455.271	315.54
LOCATION	L0002493	VOLUME	538901.001	3754463.871	315.70
LOCATION	L0002494	VOLUME	538904.091	3754456.251	315.46
LOCATION	L0002495	VOLUME	538907.253	3754448.253	314.98
LOCATION	L0002496	VOLUME	538910.415	3754440.256	314.39
LOCATION	L0002497	VOLUME	538913.577	3754432.258	313.73
LOCATION	L0002498	VOLUME	538916.739	3754424.260	313.08
LOCATION	L0002499	VOLUME	538919.900	3754416.263	312.51

** End of LINE VOLUME Source ID = SLINE2

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Construction

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** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 0.481444333
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 22
** 539530.919, 3754668.125, 314.02, 3.40, 4.00
** 539660.198, 3754670.660, 311.12, 3.40, 4.00
** 539667.802, 3753941.881, 284.23, 3.40, 4.00
** 539538.524, 3753939.347, 287.52, 3.40, 4.00
** 539537.256, 3754035.672, 290.59, 3.40, 4.00
** 539582.884, 3754087.637, 290.98, 3.40, 4.00
** 539571.477, 3754517.299, 308.96, 3.40, 4.00
** 539533.454, 3754547.718, 310.37, 3.40, 4.00
** 539530.919, 3754645.311, 313.38, 3.40, 4.00
** 539637.384, 3754646.578, 311.76, 3.40, 4.00
** 539646.256, 3753968.498, 285.50, 3.40, 4.00
** 539552.465, 3753963.428, 287.92, 3.40, 4.00
** 539553.733, 3754024.265, 289.78, 3.40, 4.00
** 539610.768, 3754083.835, 290.28, 3.40, 4.00
** 539593.023, 3754532.509, 309.00, 3.40, 4.00
** 539553.733, 3754567.997, 310.47, 3.40, 4.00
** 539548.663, 3754623.764, 312.28, 3.40, 4.00
** 539612.035, 3754623.764, 310.84, 3.40, 4.00
** 539627.244, 3754000.184, 286.75, 3.40, 4.00
** 539577.814, 3753995.114, 288.04, 3.40, 4.00
** 539601.896, 3754048.346, 288.77, 3.40, 4.00
** 539603.163, 3754024.265, 287.82, 3.40, 4.00

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LOCATION L0002500      VOLUME  539535.218 3754668.209 313.97
LOCATION L0002501      VOLUME  539543.816 3754668.378 313.68
LOCATION L0002502      VOLUME  539552.415 3754668.546 313.35
LOCATION L0002503      VOLUME  539561.013 3754668.715 312.99
LOCATION L0002504      VOLUME  539569.611 3754668.883 312.60
LOCATION L0002505      VOLUME  539578.210 3754669.052 312.22
LOCATION L0002506      VOLUME  539586.808 3754669.221 311.90
LOCATION L0002507      VOLUME  539595.406 3754669.389 311.72
LOCATION L0002508      VOLUME  539604.005 3754669.558 311.75
LOCATION L0002509      VOLUME  539612.603 3754669.726 311.88
LOCATION L0002510      VOLUME  539621.202 3754669.895 312.10
LOCATION L0002511      VOLUME  539629.800 3754670.064 312.29
LOCATION L0002512      VOLUME  539638.398 3754670.232 312.21
LOCATION L0002513      VOLUME  539646.997 3754670.401 311.87
LOCATION L0002514      VOLUME  539655.595 3754670.569 311.49
LOCATION L0002515      VOLUME  539660.239 3754666.664 311.28
LOCATION L0002516      VOLUME  539660.329 3754658.064 311.29
LOCATION L0002517      VOLUME  539660.419 3754649.465 311.31
LOCATION L0002518      VOLUME  539660.509 3754640.865 311.15
LOCATION L0002519      VOLUME  539660.598 3754632.265 310.90

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LOCATION	L0002520	VOLUME	539660.688	3754623.666	310.61
LOCATION	L0002521	VOLUME	539660.778	3754615.066	310.27
LOCATION	L0002522	VOLUME	539660.868	3754606.467	309.92
LOCATION	L0002523	VOLUME	539660.957	3754597.867	309.51
LOCATION	L0002524	VOLUME	539661.047	3754589.268	309.16
LOCATION	L0002525	VOLUME	539661.137	3754580.668	308.81
LOCATION	L0002526	VOLUME	539661.227	3754572.069	308.49
LOCATION	L0002527	VOLUME	539661.316	3754563.469	308.23
LOCATION	L0002528	VOLUME	539661.406	3754554.870	308.04
LOCATION	L0002529	VOLUME	539661.496	3754546.270	307.80
LOCATION	L0002530	VOLUME	539661.585	3754537.671	307.62
LOCATION	L0002531	VOLUME	539661.675	3754529.071	307.50
LOCATION	L0002532	VOLUME	539661.765	3754520.472	307.36
LOCATION	L0002533	VOLUME	539661.855	3754511.872	307.18
LOCATION	L0002534	VOLUME	539661.944	3754503.272	307.01
LOCATION	L0002535	VOLUME	539662.034	3754494.673	306.81
LOCATION	L0002536	VOLUME	539662.124	3754486.073	306.58
LOCATION	L0002537	VOLUME	539662.214	3754477.474	306.38
LOCATION	L0002538	VOLUME	539662.303	3754468.874	306.21
LOCATION	L0002539	VOLUME	539662.393	3754460.275	306.04
LOCATION	L0002540	VOLUME	539662.483	3754451.675	305.87
LOCATION	L0002541	VOLUME	539662.573	3754443.076	305.67
LOCATION	L0002542	VOLUME	539662.662	3754434.476	305.39
LOCATION	L0002543	VOLUME	539662.752	3754425.877	305.13
LOCATION	L0002544	VOLUME	539662.842	3754417.277	304.94
LOCATION	L0002545	VOLUME	539662.932	3754408.678	304.86
LOCATION	L0002546	VOLUME	539663.021	3754400.078	304.98
LOCATION	L0002547	VOLUME	539663.111	3754391.479	305.29
LOCATION	L0002548	VOLUME	539663.201	3754382.879	305.51
LOCATION	L0002549	VOLUME	539663.290	3754374.279	305.69
LOCATION	L0002550	VOLUME	539663.380	3754365.680	305.79
LOCATION	L0002551	VOLUME	539663.470	3754357.080	305.77
LOCATION	L0002552	VOLUME	539663.560	3754348.481	305.61
LOCATION	L0002553	VOLUME	539663.649	3754339.881	305.01
LOCATION	L0002554	VOLUME	539663.739	3754331.282	304.12
LOCATION	L0002555	VOLUME	539663.829	3754322.682	303.08
LOCATION	L0002556	VOLUME	539663.919	3754314.083	302.06
LOCATION	L0002557	VOLUME	539664.008	3754305.483	301.16
LOCATION	L0002558	VOLUME	539664.098	3754296.884	300.36
LOCATION	L0002559	VOLUME	539664.188	3754288.284	299.63
LOCATION	L0002560	VOLUME	539664.278	3754279.685	299.37
LOCATION	L0002561	VOLUME	539664.367	3754271.085	299.37
LOCATION	L0002562	VOLUME	539664.457	3754262.486	299.29
LOCATION	L0002563	VOLUME	539664.547	3754253.886	298.96
LOCATION	L0002564	VOLUME	539664.636	3754245.287	298.43
LOCATION	L0002565	VOLUME	539664.726	3754236.687	297.79
LOCATION	L0002566	VOLUME	539664.816	3754228.087	297.12
LOCATION	L0002567	VOLUME	539664.906	3754219.488	296.40
LOCATION	L0002568	VOLUME	539664.995	3754210.888	295.77
LOCATION	L0002569	VOLUME	539665.085	3754202.289	295.21

LOCATION	L0002570	VOLUME	539665.175	3754193.689	294.67
LOCATION	L0002571	VOLUME	539665.265	3754185.090	294.30
LOCATION	L0002572	VOLUME	539665.354	3754176.490	294.20
LOCATION	L0002573	VOLUME	539665.444	3754167.891	293.97
LOCATION	L0002574	VOLUME	539665.534	3754159.291	293.72
LOCATION	L0002575	VOLUME	539665.624	3754150.692	293.41
LOCATION	L0002576	VOLUME	539665.713	3754142.092	292.95
LOCATION	L0002577	VOLUME	539665.803	3754133.493	292.38
LOCATION	L0002578	VOLUME	539665.893	3754124.893	291.82
LOCATION	L0002579	VOLUME	539665.982	3754116.294	291.26
LOCATION	L0002580	VOLUME	539666.072	3754107.694	290.71
LOCATION	L0002581	VOLUME	539666.162	3754099.094	290.16
LOCATION	L0002582	VOLUME	539666.252	3754090.495	289.64
LOCATION	L0002583	VOLUME	539666.341	3754081.895	289.16
LOCATION	L0002584	VOLUME	539666.431	3754073.296	288.85
LOCATION	L0002585	VOLUME	539666.521	3754064.696	288.48
LOCATION	L0002586	VOLUME	539666.611	3754056.097	288.12
LOCATION	L0002587	VOLUME	539666.700	3754047.497	287.75
LOCATION	L0002588	VOLUME	539666.790	3754038.898	287.39
LOCATION	L0002589	VOLUME	539666.880	3754030.298	287.04
LOCATION	L0002590	VOLUME	539666.970	3754021.699	286.75
LOCATION	L0002591	VOLUME	539667.059	3754013.099	286.45
LOCATION	L0002592	VOLUME	539667.149	3754004.500	286.15
LOCATION	L0002593	VOLUME	539667.239	3753995.900	285.84
LOCATION	L0002594	VOLUME	539667.328	3753987.301	285.54
LOCATION	L0002595	VOLUME	539667.418	3753978.701	285.24
LOCATION	L0002596	VOLUME	539667.508	3753970.102	285.01
LOCATION	L0002597	VOLUME	539667.598	3753961.502	284.75
LOCATION	L0002598	VOLUME	539667.687	3753952.902	284.45
LOCATION	L0002599	VOLUME	539667.777	3753944.303	284.13
LOCATION	L0002600	VOLUME	539661.625	3753941.760	284.25
LOCATION	L0002601	VOLUME	539653.027	3753941.592	284.51
LOCATION	L0002602	VOLUME	539644.429	3753941.423	284.73
LOCATION	L0002603	VOLUME	539635.830	3753941.255	284.93
LOCATION	L0002604	VOLUME	539627.232	3753941.086	285.15
LOCATION	L0002605	VOLUME	539618.634	3753940.917	285.41
LOCATION	L0002606	VOLUME	539610.035	3753940.749	285.66
LOCATION	L0002607	VOLUME	539601.437	3753940.580	285.88
LOCATION	L0002608	VOLUME	539592.838	3753940.412	286.09
LOCATION	L0002609	VOLUME	539584.240	3753940.243	286.32
LOCATION	L0002610	VOLUME	539575.642	3753940.074	286.58
LOCATION	L0002611	VOLUME	539567.043	3753939.906	286.80
LOCATION	L0002612	VOLUME	539558.445	3753939.737	286.99
LOCATION	L0002613	VOLUME	539549.847	3753939.569	287.24
LOCATION	L0002614	VOLUME	539541.248	3753939.400	287.48
LOCATION	L0002615	VOLUME	539538.446	3753945.221	287.71
LOCATION	L0002616	VOLUME	539538.333	3753953.820	287.94
LOCATION	L0002617	VOLUME	539538.220	3753962.419	288.19
LOCATION	L0002618	VOLUME	539538.107	3753971.018	288.47
LOCATION	L0002619	VOLUME	539537.994	3753979.618	288.78

LOCATION	L0002620	VOLUME	539537.880	3753988.217	289.06
LOCATION	L0002621	VOLUME	539537.767	3753996.816	289.32
LOCATION	L0002622	VOLUME	539537.654	3754005.415	289.60
LOCATION	L0002623	VOLUME	539537.541	3754014.015	289.92
LOCATION	L0002624	VOLUME	539537.428	3754022.614	290.27
LOCATION	L0002625	VOLUME	539537.315	3754031.213	290.61
LOCATION	L0002626	VOLUME	539539.988	3754038.784	290.82
LOCATION	L0002627	VOLUME	539545.662	3754045.246	290.88
LOCATION	L0002628	VOLUME	539551.337	3754051.708	290.92
LOCATION	L0002629	VOLUME	539557.011	3754058.171	290.97
LOCATION	L0002630	VOLUME	539562.685	3754064.633	291.01
LOCATION	L0002631	VOLUME	539568.360	3754071.095	291.07
LOCATION	L0002632	VOLUME	539574.034	3754077.558	291.13
LOCATION	L0002633	VOLUME	539579.708	3754084.020	291.17
LOCATION	L0002634	VOLUME	539582.783	3754091.423	291.31
LOCATION	L0002635	VOLUME	539582.555	3754100.020	291.58
LOCATION	L0002636	VOLUME	539582.327	3754108.617	291.80
LOCATION	L0002637	VOLUME	539582.099	3754117.213	291.98
LOCATION	L0002638	VOLUME	539581.870	3754125.810	292.17
LOCATION	L0002639	VOLUME	539581.642	3754134.407	292.44
LOCATION	L0002640	VOLUME	539581.414	3754143.004	292.75
LOCATION	L0002641	VOLUME	539581.186	3754151.601	293.05
LOCATION	L0002642	VOLUME	539580.958	3754160.198	293.37
LOCATION	L0002643	VOLUME	539580.729	3754168.795	293.74
LOCATION	L0002644	VOLUME	539580.501	3754177.392	294.14
LOCATION	L0002645	VOLUME	539580.273	3754185.989	294.54
LOCATION	L0002646	VOLUME	539580.045	3754194.586	295.00
LOCATION	L0002647	VOLUME	539579.816	3754203.183	295.47
LOCATION	L0002648	VOLUME	539579.588	3754211.780	296.02
LOCATION	L0002649	VOLUME	539579.360	3754220.377	296.66
LOCATION	L0002650	VOLUME	539579.132	3754228.974	297.22
LOCATION	L0002651	VOLUME	539578.903	3754237.571	297.58
LOCATION	L0002652	VOLUME	539578.675	3754246.168	297.92
LOCATION	L0002653	VOLUME	539578.447	3754254.765	298.22
LOCATION	L0002654	VOLUME	539578.219	3754263.362	298.51
LOCATION	L0002655	VOLUME	539577.990	3754271.959	298.82
LOCATION	L0002656	VOLUME	539577.762	3754280.556	299.16
LOCATION	L0002657	VOLUME	539577.534	3754289.153	299.54
LOCATION	L0002658	VOLUME	539577.306	3754297.750	300.05
LOCATION	L0002659	VOLUME	539577.077	3754306.347	300.86
LOCATION	L0002660	VOLUME	539576.849	3754314.944	301.85
LOCATION	L0002661	VOLUME	539576.621	3754323.541	302.91
LOCATION	L0002662	VOLUME	539576.393	3754332.138	303.81
LOCATION	L0002663	VOLUME	539576.165	3754340.735	304.48
LOCATION	L0002664	VOLUME	539575.936	3754349.332	305.04
LOCATION	L0002665	VOLUME	539575.708	3754357.929	305.40
LOCATION	L0002666	VOLUME	539575.480	3754366.526	305.66
LOCATION	L0002667	VOLUME	539575.252	3754375.123	305.92
LOCATION	L0002668	VOLUME	539575.023	3754383.720	306.17
LOCATION	L0002669	VOLUME	539574.795	3754392.317	306.38

LOCATION	L0002670	VOLUME	539574.567	3754400.914	306.57
LOCATION	L0002671	VOLUME	539574.339	3754409.511	306.75
LOCATION	L0002672	VOLUME	539574.110	3754418.107	306.91
LOCATION	L0002673	VOLUME	539573.882	3754426.704	307.04
LOCATION	L0002674	VOLUME	539573.654	3754435.301	307.17
LOCATION	L0002675	VOLUME	539573.426	3754443.898	307.31
LOCATION	L0002676	VOLUME	539573.197	3754452.495	307.47
LOCATION	L0002677	VOLUME	539572.969	3754461.092	307.70
LOCATION	L0002678	VOLUME	539572.741	3754469.689	307.91
LOCATION	L0002679	VOLUME	539572.513	3754478.286	308.13
LOCATION	L0002680	VOLUME	539572.284	3754486.883	308.34
LOCATION	L0002681	VOLUME	539572.056	3754495.480	308.56
LOCATION	L0002682	VOLUME	539571.828	3754504.077	308.79
LOCATION	L0002683	VOLUME	539571.600	3754512.674	308.99
LOCATION	L0002684	VOLUME	539568.374	3754519.781	309.26
LOCATION	L0002685	VOLUME	539561.659	3754525.154	309.53
LOCATION	L0002686	VOLUME	539554.943	3754530.526	309.76
LOCATION	L0002687	VOLUME	539548.228	3754535.898	309.99
LOCATION	L0002688	VOLUME	539541.513	3754541.271	310.18
LOCATION	L0002689	VOLUME	539534.797	3754546.643	310.42
LOCATION	L0002690	VOLUME	539533.275	3754554.595	310.63
LOCATION	L0002691	VOLUME	539533.052	3754563.192	310.87
LOCATION	L0002692	VOLUME	539532.829	3754571.790	311.07
LOCATION	L0002693	VOLUME	539532.605	3754580.387	311.30
LOCATION	L0002694	VOLUME	539532.382	3754588.984	311.51
LOCATION	L0002695	VOLUME	539532.159	3754597.581	311.73
LOCATION	L0002696	VOLUME	539531.935	3754606.178	312.06
LOCATION	L0002697	VOLUME	539531.712	3754614.775	312.35
LOCATION	L0002698	VOLUME	539531.489	3754623.372	312.67
LOCATION	L0002699	VOLUME	539531.265	3754631.969	312.96
LOCATION	L0002700	VOLUME	539531.042	3754640.566	313.23
LOCATION	L0002701	VOLUME	539534.773	3754645.357	313.26
LOCATION	L0002702	VOLUME	539543.372	3754645.459	313.01
LOCATION	L0002703	VOLUME	539551.971	3754645.561	312.73
LOCATION	L0002704	VOLUME	539560.571	3754645.664	312.40
LOCATION	L0002705	VOLUME	539569.170	3754645.766	312.05
LOCATION	L0002706	VOLUME	539577.769	3754645.869	311.71
LOCATION	L0002707	VOLUME	539586.369	3754645.971	311.42
LOCATION	L0002708	VOLUME	539594.968	3754646.073	311.24
LOCATION	L0002709	VOLUME	539603.568	3754646.176	311.22
LOCATION	L0002710	VOLUME	539612.167	3754646.278	311.33
LOCATION	L0002711	VOLUME	539620.766	3754646.380	311.50
LOCATION	L0002712	VOLUME	539629.366	3754646.483	311.67
LOCATION	L0002713	VOLUME	539637.391	3754645.997	311.77
LOCATION	L0002714	VOLUME	539637.504	3754637.398	311.51
LOCATION	L0002715	VOLUME	539637.616	3754628.798	311.21
LOCATION	L0002716	VOLUME	539637.729	3754620.199	310.84
LOCATION	L0002717	VOLUME	539637.842	3754611.600	310.46
LOCATION	L0002718	VOLUME	539637.954	3754603.001	310.13
LOCATION	L0002719	VOLUME	539638.067	3754594.401	309.83

LOCATION	L0002720	VOLUME	539638.179	3754585.802	309.58
LOCATION	L0002721	VOLUME	539638.292	3754577.203	309.39
LOCATION	L0002722	VOLUME	539638.404	3754568.604	309.17
LOCATION	L0002723	VOLUME	539638.517	3754560.004	308.92
LOCATION	L0002724	VOLUME	539638.629	3754551.405	308.67
LOCATION	L0002725	VOLUME	539638.742	3754542.806	308.45
LOCATION	L0002726	VOLUME	539638.854	3754534.206	308.23
LOCATION	L0002727	VOLUME	539638.967	3754525.607	308.02
LOCATION	L0002728	VOLUME	539639.079	3754517.008	307.82
LOCATION	L0002729	VOLUME	539639.192	3754508.409	307.60
LOCATION	L0002730	VOLUME	539639.304	3754499.809	307.38
LOCATION	L0002731	VOLUME	539639.417	3754491.210	307.22
LOCATION	L0002732	VOLUME	539639.529	3754482.611	307.05
LOCATION	L0002733	VOLUME	539639.642	3754474.012	306.85
LOCATION	L0002734	VOLUME	539639.754	3754465.412	306.61
LOCATION	L0002735	VOLUME	539639.867	3754456.813	306.42
LOCATION	L0002736	VOLUME	539639.979	3754448.214	306.24
LOCATION	L0002737	VOLUME	539640.092	3754439.615	306.04
LOCATION	L0002738	VOLUME	539640.204	3754431.015	305.86
LOCATION	L0002739	VOLUME	539640.317	3754422.416	305.75
LOCATION	L0002740	VOLUME	539640.429	3754413.817	305.68
LOCATION	L0002741	VOLUME	539640.542	3754405.218	305.69
LOCATION	L0002742	VOLUME	539640.654	3754396.618	305.80
LOCATION	L0002743	VOLUME	539640.767	3754388.019	305.97
LOCATION	L0002744	VOLUME	539640.879	3754379.420	306.11
LOCATION	L0002745	VOLUME	539640.992	3754370.820	306.06
LOCATION	L0002746	VOLUME	539641.104	3754362.221	305.92
LOCATION	L0002747	VOLUME	539641.217	3754353.622	305.70
LOCATION	L0002748	VOLUME	539641.329	3754345.023	305.28
LOCATION	L0002749	VOLUME	539641.442	3754336.423	304.63
LOCATION	L0002750	VOLUME	539641.554	3754327.824	303.91
LOCATION	L0002751	VOLUME	539641.667	3754319.225	303.09
LOCATION	L0002752	VOLUME	539641.780	3754310.626	302.13
LOCATION	L0002753	VOLUME	539641.892	3754302.026	301.40
LOCATION	L0002754	VOLUME	539642.005	3754293.427	300.90
LOCATION	L0002755	VOLUME	539642.117	3754284.828	300.55
LOCATION	L0002756	VOLUME	539642.230	3754276.229	300.27
LOCATION	L0002757	VOLUME	539642.342	3754267.629	299.87
LOCATION	L0002758	VOLUME	539642.455	3754259.030	299.50
LOCATION	L0002759	VOLUME	539642.567	3754250.431	298.97
LOCATION	L0002760	VOLUME	539642.680	3754241.831	298.33
LOCATION	L0002761	VOLUME	539642.792	3754233.232	297.68
LOCATION	L0002762	VOLUME	539642.905	3754224.633	297.02
LOCATION	L0002763	VOLUME	539643.017	3754216.034	296.14
LOCATION	L0002764	VOLUME	539643.130	3754207.434	295.53
LOCATION	L0002765	VOLUME	539643.242	3754198.835	295.13
LOCATION	L0002766	VOLUME	539643.355	3754190.236	294.76
LOCATION	L0002767	VOLUME	539643.467	3754181.637	294.35
LOCATION	L0002768	VOLUME	539643.580	3754173.037	293.96
LOCATION	L0002769	VOLUME	539643.692	3754164.438	293.62

LOCATION	L0002770	VOLUME	539643.805	3754155.839	293.25
LOCATION	L0002771	VOLUME	539643.917	3754147.240	292.97
LOCATION	L0002772	VOLUME	539644.030	3754138.640	292.67
LOCATION	L0002773	VOLUME	539644.142	3754130.041	292.28
LOCATION	L0002774	VOLUME	539644.255	3754121.442	291.80
LOCATION	L0002775	VOLUME	539644.367	3754112.843	291.35
LOCATION	L0002776	VOLUME	539644.480	3754104.243	290.89
LOCATION	L0002777	VOLUME	539644.592	3754095.644	290.34
LOCATION	L0002778	VOLUME	539644.705	3754087.045	289.86
LOCATION	L0002779	VOLUME	539644.817	3754078.445	289.46
LOCATION	L0002780	VOLUME	539644.930	3754069.846	289.08
LOCATION	L0002781	VOLUME	539645.042	3754061.247	288.75
LOCATION	L0002782	VOLUME	539645.155	3754052.648	288.48
LOCATION	L0002783	VOLUME	539645.267	3754044.048	288.12
LOCATION	L0002784	VOLUME	539645.380	3754035.449	287.75
LOCATION	L0002785	VOLUME	539645.492	3754026.850	287.40
LOCATION	L0002786	VOLUME	539645.605	3754018.251	287.08
LOCATION	L0002787	VOLUME	539645.717	3754009.651	286.75
LOCATION	L0002788	VOLUME	539645.830	3754001.052	286.43
LOCATION	L0002789	VOLUME	539645.943	3753992.453	286.12
LOCATION	L0002790	VOLUME	539646.055	3753983.854	285.87
LOCATION	L0002791	VOLUME	539646.168	3753975.254	285.65
LOCATION	L0002792	VOLUME	539644.416	3753968.398	285.51
LOCATION	L0002793	VOLUME	539635.828	3753967.934	285.66
LOCATION	L0002794	VOLUME	539627.241	3753967.470	285.85
LOCATION	L0002795	VOLUME	539618.653	3753967.006	286.07
LOCATION	L0002796	VOLUME	539610.066	3753966.541	286.32
LOCATION	L0002797	VOLUME	539601.479	3753966.077	286.56
LOCATION	L0002798	VOLUME	539592.891	3753965.613	286.81
LOCATION	L0002799	VOLUME	539584.304	3753965.149	287.05
LOCATION	L0002800	VOLUME	539575.716	3753964.685	287.30
LOCATION	L0002801	VOLUME	539567.129	3753964.221	287.54
LOCATION	L0002802	VOLUME	539558.541	3753963.756	287.75
LOCATION	L0002803	VOLUME	539552.518	3753965.943	287.96
LOCATION	L0002804	VOLUME	539552.697	3753974.541	288.21
LOCATION	L0002805	VOLUME	539552.876	3753983.139	288.45
LOCATION	L0002806	VOLUME	539553.055	3753991.737	288.70
LOCATION	L0002807	VOLUME	539553.234	3754000.335	288.95
LOCATION	L0002808	VOLUME	539553.413	3754008.933	289.25
LOCATION	L0002809	VOLUME	539553.593	3754017.531	289.55
LOCATION	L0002810	VOLUME	539555.023	3754025.612	289.78
LOCATION	L0002811	VOLUME	539560.970	3754031.824	289.82
LOCATION	L0002812	VOLUME	539566.918	3754038.036	289.87
LOCATION	L0002813	VOLUME	539572.865	3754044.248	289.89
LOCATION	L0002814	VOLUME	539578.813	3754050.459	289.89
LOCATION	L0002815	VOLUME	539584.760	3754056.671	289.97
LOCATION	L0002816	VOLUME	539590.708	3754062.883	290.07
LOCATION	L0002817	VOLUME	539596.655	3754069.095	290.17
LOCATION	L0002818	VOLUME	539602.603	3754075.307	290.24
LOCATION	L0002819	VOLUME	539608.550	3754081.519	290.38

LOCATION	L0002820	VOLUME	539610.554	3754089.224	290.68
LOCATION	L0002821	VOLUME	539610.215	3754097.817	291.02
LOCATION	L0002822	VOLUME	539609.875	3754106.411	291.31
LOCATION	L0002823	VOLUME	539609.535	3754115.004	291.57
LOCATION	L0002824	VOLUME	539609.195	3754123.597	291.82
LOCATION	L0002825	VOLUME	539608.855	3754132.191	292.06
LOCATION	L0002826	VOLUME	539608.515	3754140.784	292.34
LOCATION	L0002827	VOLUME	539608.176	3754149.377	292.61
LOCATION	L0002828	VOLUME	539607.836	3754157.970	292.85
LOCATION	L0002829	VOLUME	539607.496	3754166.564	293.09
LOCATION	L0002830	VOLUME	539607.156	3754175.157	293.43
LOCATION	L0002831	VOLUME	539606.816	3754183.750	293.91
LOCATION	L0002832	VOLUME	539606.476	3754192.344	294.50
LOCATION	L0002833	VOLUME	539606.136	3754200.937	295.10
LOCATION	L0002834	VOLUME	539605.797	3754209.530	295.75
LOCATION	L0002835	VOLUME	539605.457	3754218.123	296.41
LOCATION	L0002836	VOLUME	539605.117	3754226.717	297.01
LOCATION	L0002837	VOLUME	539604.777	3754235.310	297.60
LOCATION	L0002838	VOLUME	539604.437	3754243.903	297.96
LOCATION	L0002839	VOLUME	539604.097	3754252.496	298.34
LOCATION	L0002840	VOLUME	539603.758	3754261.090	298.73
LOCATION	L0002841	VOLUME	539603.418	3754269.683	299.08
LOCATION	L0002842	VOLUME	539603.078	3754278.276	299.44
LOCATION	L0002843	VOLUME	539602.738	3754286.870	299.85
LOCATION	L0002844	VOLUME	539602.398	3754295.463	300.36
LOCATION	L0002845	VOLUME	539602.058	3754304.056	300.91
LOCATION	L0002846	VOLUME	539601.718	3754312.649	301.64
LOCATION	L0002847	VOLUME	539601.379	3754321.243	302.52
LOCATION	L0002848	VOLUME	539601.039	3754329.836	303.38
LOCATION	L0002849	VOLUME	539600.699	3754338.429	304.03
LOCATION	L0002850	VOLUME	539600.359	3754347.023	304.70
LOCATION	L0002851	VOLUME	539600.019	3754355.616	305.30
LOCATION	L0002852	VOLUME	539599.679	3754364.209	305.70
LOCATION	L0002853	VOLUME	539599.340	3754372.802	305.92
LOCATION	L0002854	VOLUME	539599.000	3754381.396	306.09
LOCATION	L0002855	VOLUME	539598.660	3754389.989	306.29
LOCATION	L0002856	VOLUME	539598.320	3754398.582	306.44
LOCATION	L0002857	VOLUME	539597.980	3754407.176	306.54
LOCATION	L0002858	VOLUME	539597.640	3754415.769	306.64
LOCATION	L0002859	VOLUME	539597.300	3754424.362	306.74
LOCATION	L0002860	VOLUME	539596.961	3754432.955	306.84
LOCATION	L0002861	VOLUME	539596.621	3754441.549	306.95
LOCATION	L0002862	VOLUME	539596.281	3754450.142	307.08
LOCATION	L0002863	VOLUME	539595.941	3754458.735	307.26
LOCATION	L0002864	VOLUME	539595.601	3754467.329	307.47
LOCATION	L0002865	VOLUME	539595.261	3754475.922	307.69
LOCATION	L0002866	VOLUME	539594.921	3754484.515	307.91
LOCATION	L0002867	VOLUME	539594.582	3754493.108	308.11
LOCATION	L0002868	VOLUME	539594.242	3754501.702	308.30
LOCATION	L0002869	VOLUME	539593.902	3754510.295	308.43

LOCATION	L0002870	VOLUME	539593.562	3754518.888	308.62
LOCATION	L0002871	VOLUME	539593.222	3754527.482	308.83
LOCATION	L0002872	VOLUME	539590.375	3754534.901	309.07
LOCATION	L0002873	VOLUME	539583.993	3754540.665	309.31
LOCATION	L0002874	VOLUME	539577.611	3754546.430	309.60
LOCATION	L0002875	VOLUME	539571.229	3754552.194	309.89
LOCATION	L0002876	VOLUME	539564.847	3754557.959	310.16
LOCATION	L0002877	VOLUME	539558.464	3754563.723	310.45
LOCATION	L0002878	VOLUME	539553.531	3754570.212	310.67
LOCATION	L0002879	VOLUME	539552.753	3754578.776	310.88
LOCATION	L0002880	VOLUME	539551.974	3754587.341	311.09
LOCATION	L0002881	VOLUME	539551.196	3754595.906	311.28
LOCATION	L0002882	VOLUME	539550.417	3754604.470	311.55
LOCATION	L0002883	VOLUME	539549.638	3754613.035	311.84
LOCATION	L0002884	VOLUME	539548.860	3754621.600	312.12
LOCATION	L0002885	VOLUME	539555.090	3754623.764	311.96
LOCATION	L0002886	VOLUME	539563.690	3754623.764	311.70
LOCATION	L0002887	VOLUME	539572.290	3754623.764	311.49
LOCATION	L0002888	VOLUME	539580.890	3754623.764	311.25
LOCATION	L0002889	VOLUME	539589.490	3754623.764	311.00
LOCATION	L0002890	VOLUME	539598.090	3754623.764	310.82
LOCATION	L0002891	VOLUME	539606.690	3754623.764	310.79
LOCATION	L0002892	VOLUME	539612.114	3754620.511	310.73
LOCATION	L0002893	VOLUME	539612.324	3754611.913	310.52
LOCATION	L0002894	VOLUME	539612.534	3754603.316	310.30
LOCATION	L0002895	VOLUME	539612.743	3754594.718	310.08
LOCATION	L0002896	VOLUME	539612.953	3754586.121	309.88
LOCATION	L0002897	VOLUME	539613.163	3754577.523	309.67
LOCATION	L0002898	VOLUME	539613.373	3754568.926	309.46
LOCATION	L0002899	VOLUME	539613.582	3754560.329	309.24
LOCATION	L0002900	VOLUME	539613.792	3754551.731	309.01
LOCATION	L0002901	VOLUME	539614.002	3754543.134	308.80
LOCATION	L0002902	VOLUME	539614.211	3754534.536	308.62
LOCATION	L0002903	VOLUME	539614.421	3754525.939	308.44
LOCATION	L0002904	VOLUME	539614.631	3754517.341	308.24
LOCATION	L0002905	VOLUME	539614.840	3754508.744	308.05
LOCATION	L0002906	VOLUME	539615.050	3754500.146	307.87
LOCATION	L0002907	VOLUME	539615.260	3754491.549	307.69
LOCATION	L0002908	VOLUME	539615.470	3754482.952	307.46
LOCATION	L0002909	VOLUME	539615.679	3754474.354	307.26
LOCATION	L0002910	VOLUME	539615.889	3754465.757	307.08
LOCATION	L0002911	VOLUME	539616.099	3754457.159	306.90
LOCATION	L0002912	VOLUME	539616.308	3754448.562	306.73
LOCATION	L0002913	VOLUME	539616.518	3754439.964	306.57
LOCATION	L0002914	VOLUME	539616.728	3754431.367	306.44
LOCATION	L0002915	VOLUME	539616.937	3754422.769	306.33
LOCATION	L0002916	VOLUME	539617.147	3754414.172	306.26
LOCATION	L0002917	VOLUME	539617.357	3754405.575	306.26
LOCATION	L0002918	VOLUME	539617.566	3754396.977	306.30
LOCATION	L0002919	VOLUME	539617.776	3754388.380	306.29

LOCATION	L0002920	VOLUME	539617.986	3754379.782	306.16
LOCATION	L0002921	VOLUME	539618.196	3754371.185	305.94
LOCATION	L0002922	VOLUME	539618.405	3754362.587	305.70
LOCATION	L0002923	VOLUME	539618.615	3754353.990	305.30
LOCATION	L0002924	VOLUME	539618.825	3754345.392	304.75
LOCATION	L0002925	VOLUME	539619.034	3754336.795	304.14
LOCATION	L0002926	VOLUME	539619.244	3754328.198	303.51
LOCATION	L0002927	VOLUME	539619.454	3754319.600	302.77
LOCATION	L0002928	VOLUME	539619.663	3754311.003	302.16
LOCATION	L0002929	VOLUME	539619.873	3754302.405	301.53
LOCATION	L0002930	VOLUME	539620.083	3754293.808	300.90
LOCATION	L0002931	VOLUME	539620.292	3754285.210	300.28
LOCATION	L0002932	VOLUME	539620.502	3754276.613	299.68
LOCATION	L0002933	VOLUME	539620.712	3754268.016	299.23
LOCATION	L0002934	VOLUME	539620.922	3754259.418	298.86
LOCATION	L0002935	VOLUME	539621.131	3754250.821	298.51
LOCATION	L0002936	VOLUME	539621.341	3754242.223	298.11
LOCATION	L0002937	VOLUME	539621.551	3754233.626	297.62
LOCATION	L0002938	VOLUME	539621.760	3754225.028	297.07
LOCATION	L0002939	VOLUME	539621.970	3754216.431	296.23
LOCATION	L0002940	VOLUME	539622.180	3754207.833	295.64
LOCATION	L0002941	VOLUME	539622.389	3754199.236	295.04
LOCATION	L0002942	VOLUME	539622.599	3754190.639	294.43
LOCATION	L0002943	VOLUME	539622.809	3754182.041	293.88
LOCATION	L0002944	VOLUME	539623.018	3754173.444	293.42
LOCATION	L0002945	VOLUME	539623.228	3754164.846	293.09
LOCATION	L0002946	VOLUME	539623.438	3754156.249	292.84
LOCATION	L0002947	VOLUME	539623.648	3754147.651	292.57
LOCATION	L0002948	VOLUME	539623.857	3754139.054	292.31
LOCATION	L0002949	VOLUME	539624.067	3754130.456	292.07
LOCATION	L0002950	VOLUME	539624.277	3754121.859	291.84
LOCATION	L0002951	VOLUME	539624.486	3754113.262	291.52
LOCATION	L0002952	VOLUME	539624.696	3754104.664	291.14
LOCATION	L0002953	VOLUME	539624.906	3754096.067	290.76
LOCATION	L0002954	VOLUME	539625.115	3754087.469	290.36
LOCATION	L0002955	VOLUME	539625.325	3754078.872	289.96
LOCATION	L0002956	VOLUME	539625.535	3754070.274	289.56
LOCATION	L0002957	VOLUME	539625.745	3754061.677	289.20
LOCATION	L0002958	VOLUME	539625.954	3754053.079	288.84
LOCATION	L0002959	VOLUME	539626.164	3754044.482	288.51
LOCATION	L0002960	VOLUME	539626.374	3754035.885	288.15
LOCATION	L0002961	VOLUME	539626.583	3754027.287	287.78
LOCATION	L0002962	VOLUME	539626.793	3754018.690	287.42
LOCATION	L0002963	VOLUME	539627.003	3754010.092	287.07
LOCATION	L0002964	VOLUME	539627.212	3754001.495	286.77
LOCATION	L0002965	VOLUME	539619.994	3753999.440	286.81
LOCATION	L0002966	VOLUME	539611.439	3753998.563	286.93
LOCATION	L0002967	VOLUME	539602.884	3753997.685	287.12
LOCATION	L0002968	VOLUME	539594.328	3753996.808	287.38
LOCATION	L0002969	VOLUME	539585.773	3753995.930	287.70

LOCATION L0002970	VOLUME	539578.061	3753995.660	288.02
LOCATION L0002971	VOLUME	539581.606	3754003.495	288.07
LOCATION L0002972	VOLUME	539585.150	3754011.331	288.14
LOCATION L0002973	VOLUME	539588.695	3754019.166	288.27
LOCATION L0002974	VOLUME	539592.240	3754027.002	288.48
LOCATION L0002975	VOLUME	539595.784	3754034.837	288.72
LOCATION L0002976	VOLUME	539599.329	3754042.673	288.97
LOCATION L0002977	VOLUME	539602.020	3754045.977	289.03
LOCATION L0002978	VOLUME	539602.472	3754037.389	288.65
LOCATION L0002979	VOLUME	539602.924	3754028.801	288.25

** End of LINE VOLUME Source ID = SLINE3

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Construction

** PREFIX

** Length of Side = 8.60

** Configuration = Adjacent

** Emission Rate = 0.0120361083

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 5

** 539567.675, 3754603.485, 311.24, 3.40, 4.00

** 539591.756, 3754603.485, 310.64, 3.40, 4.00

** 539594.291, 3754565.462, 309.71, 3.40, 4.00

** 539572.744, 3754581.939, 310.55, 3.40, 4.00

** 539571.477, 3754592.078, 310.79, 3.40, 4.00

** -----

LOCATION L0002980	VOLUME	539571.975	3754603.485	311.08
LOCATION L0002981	VOLUME	539580.575	3754603.485	310.86
LOCATION L0002982	VOLUME	539589.175	3754603.485	310.67
LOCATION L0002983	VOLUME	539592.156	3754597.480	310.49
LOCATION L0002984	VOLUME	539592.728	3754588.899	310.30
LOCATION L0002985	VOLUME	539593.300	3754580.318	310.07
LOCATION L0002986	VOLUME	539593.873	3754571.737	309.83
LOCATION L0002987	VOLUME	539592.455	3754566.866	309.77
LOCATION L0002988	VOLUME	539585.624	3754572.090	310.01
LOCATION L0002989	VOLUME	539578.792	3754577.314	310.27
LOCATION L0002990	VOLUME	539572.622	3754582.918	310.56
LOCATION L0002991	VOLUME	539571.555	3754591.451	310.78

** End of LINE VOLUME Source ID = SLINE4

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0001995	0.001003009	3.40	4.00	3.16
SRCPARAM L0001996	0.001003009	3.40	4.00	3.16
SRCPARAM L0001997	0.001003009	3.40	4.00	3.16
SRCPARAM L0001998	0.001003009	3.40	4.00	3.16
SRCPARAM L0001999	0.001003009	3.40	4.00	3.16
SRCPARAM L0002000	0.001003009	3.40	4.00	3.16
SRCPARAM L0002001	0.001003009	3.40	4.00	3.16

SRCPARAM	L0002402	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002403	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002404	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002405	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002406	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002407	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002408	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002409	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002410	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002411	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002412	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002413	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002414	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002415	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002416	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002417	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002418	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002419	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002420	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002421	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002422	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002423	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002424	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002425	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002426	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002427	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002428	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002429	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002430	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002431	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002432	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002433	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002434	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002435	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002436	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002437	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002438	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002439	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002440	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002441	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002442	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002443	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002444	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002445	0.001003009	3.40	4.00	3.16

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** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0002446	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002447	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002448	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002449	0.001003009	3.40	4.00	3.16

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** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0002500	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002501	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002502	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002503	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002504	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002505	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002506	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002507	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002508	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002509	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002510	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002511	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002512	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002513	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002514	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002515	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002516	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002517	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002518	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002519	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002520	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002521	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002522	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002523	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002524	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002525	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002526	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002527	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002528	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002529	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002530	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002531	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002532	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002533	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002534	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002535	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002536	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002537	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002538	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002539	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002540	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002541	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002542	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002543	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002544	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002545	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002546	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002547	0.001003009	3.40	4.00	3.16

SRCPARAM	L0002948	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002949	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002950	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002951	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002952	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002953	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002954	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002955	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002956	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002957	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002958	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002959	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002960	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002961	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002962	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002963	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002964	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002965	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002966	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002967	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002968	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002969	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002970	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002971	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002972	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002973	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002974	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002975	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002976	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002977	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002978	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002979	0.001003009	3.40	4.00	3.16

**

** -----
 ** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0002980	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002981	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002982	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002983	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002984	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002985	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002986	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002987	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002988	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002989	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002990	0.001003009	3.40	4.00	3.16
SRCPARAM	L0002991	0.001003009	3.40	4.00	3.16

**

** -----
 SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Noble Site Construction.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE ..\PalmSpringsAirportADJU\KPSP_V9_ADJU\KPSP_v9.SFC

PROFFILE ..\PalmSpringsAirportADJU\KPSP_V9_ADJU\KPSP_v9.PFL

SURFDATA 93138 2012

UAIRDATA 3190 2012

PROFBASE 125.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "Noble Site Construction.AD\01H1GALL.PLT" 31

PLOTFILE PERIOD ALL "Noble Site Construction.AD\PE00GALL.PLT" 32

SUMMFILE "Noble Site Construction.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of	0 Fatal Error Message(s)
A Total of	2 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186 2170 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 2170 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21
*** AERMET - VERSION 16216 *** ***
*** 06:24:47

PAGE 1

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR

and Calculates PERIOD Averages

**This Run Includes: 997 Source(s); 1 Source Group(s); and 469 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 997 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and

Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 125.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.0 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Noble Site Construction.err

**File for Summary of Results: Noble Site Construction.sum

L0002010	0	0.10030E-02	538826.6	3754438.5	317.5	3.40	4.00
3.16 NO							
L0002011	0	0.10030E-02	538826.8	3754429.9	317.4	3.40	4.00
3.16 NO							
L0002012	0	0.10030E-02	538827.0	3754421.3	317.3	3.40	4.00
3.16 NO							
L0002013	0	0.10030E-02	538827.2	3754412.7	317.1	3.40	4.00
3.16 NO							
L0002014	0	0.10030E-02	538827.4	3754404.1	316.7	3.40	4.00
3.16 NO							
L0002015	0	0.10030E-02	538827.6	3754395.5	316.0	3.40	4.00
3.16 NO							
L0002016	0	0.10030E-02	538827.8	3754386.9	315.3	3.40	4.00
3.16 NO							
L0002017	0	0.10030E-02	538828.0	3754378.3	314.4	3.40	4.00
3.16 NO							
L0002018	0	0.10030E-02	538828.2	3754369.7	313.7	3.40	4.00
3.16 NO							
L0002019	0	0.10030E-02	538828.4	3754361.2	313.1	3.40	4.00
3.16 NO							
L0002020	0	0.10030E-02	538828.6	3754352.6	312.5	3.40	4.00
3.16 NO							
L0002021	0	0.10030E-02	538828.8	3754344.0	312.1	3.40	4.00
3.16 NO							
L0002022	0	0.10030E-02	538828.9	3754335.4	311.9	3.40	4.00
3.16 NO							
L0002023	0	0.10030E-02	538829.1	3754326.8	311.7	3.40	4.00
3.16 NO							
L0002024	0	0.10030E-02	538829.3	3754318.2	311.5	3.40	4.00
3.16 NO							
L0002025	0	0.10030E-02	538829.5	3754309.6	311.2	3.40	4.00
3.16 NO							
L0002026	0	0.10030E-02	538829.7	3754301.0	310.9	3.40	4.00
3.16 NO							
L0002027	0	0.10030E-02	538829.9	3754292.4	310.6	3.40	4.00
3.16 NO							
L0002028	0	0.10030E-02	538830.1	3754283.8	310.3	3.40	4.00
3.16 NO							
L0002029	0	0.10030E-02	538830.3	3754275.2	310.1	3.40	4.00
3.16 NO							
L0002030	0	0.10030E-02	538830.5	3754266.6	309.8	3.40	4.00
3.16 NO							
L0002031	0	0.10030E-02	538830.7	3754258.0	309.5	3.40	4.00
3.16 NO							
L0002032	0	0.10030E-02	538830.9	3754249.4	309.2	3.40	4.00
3.16 NO							
L0002033	0	0.10030E-02	538831.0	3754240.8	308.9	3.40	4.00
3.16 NO							
L0002034	0	0.10030E-02	538831.2	3754232.2	308.5	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002035		0	0.10030E-02	538831.4	3754223.6	308.1	3.40	4.00
3.16	NO							
L0002036		0	0.10030E-02	538831.6	3754215.0	307.7	3.40	4.00
3.16	NO							
L0002037		0	0.10030E-02	538831.8	3754206.4	307.4	3.40	4.00
3.16	NO							
L0002038		0	0.10030E-02	538832.0	3754197.8	307.0	3.40	4.00
3.16	NO							
L0002039		0	0.10030E-02	538832.2	3754189.2	306.7	3.40	4.00
3.16	NO							
L0002040		0	0.10030E-02	538832.4	3754180.6	306.3	3.40	4.00
3.16	NO							
L0002041		0	0.10030E-02	538832.6	3754172.0	305.9	3.40	4.00
3.16	NO							
L0002042		0	0.10030E-02	538832.8	3754163.4	305.6	3.40	4.00
3.16	NO							
L0002043		0	0.10030E-02	538833.0	3754154.8	305.2	3.40	4.00
3.16	NO							
L0002044		0	0.10030E-02	538833.1	3754146.2	304.9	3.40	4.00
3.16	NO							
L0002045		0	0.10030E-02	538833.3	3754137.6	304.6	3.40	4.00
3.16	NO							
L0002046		0	0.10030E-02	538833.5	3754129.0	304.3	3.40	4.00
3.16	NO							
L0002047		0	0.10030E-02	538833.7	3754120.4	304.0	3.40	4.00
3.16	NO							
L0002048		0	0.10030E-02	538833.9	3754111.8	303.7	3.40	4.00
3.16	NO							
L0002049		0	0.10030E-02	538834.1	3754103.2	303.4	3.40	4.00
3.16	NO							

L0002050	0	0.10030E-02	538834.3	3754094.6	303.1	3.40	4.00
3.16 NO							
L0002051	0	0.10030E-02	538834.5	3754086.0	302.9	3.40	4.00
3.16 NO							
L0002052	0	0.10030E-02	538834.7	3754077.4	302.5	3.40	4.00
3.16 NO							
L0002053	0	0.10030E-02	538834.9	3754068.8	302.2	3.40	4.00
3.16 NO							
L0002054	0	0.10030E-02	538835.1	3754060.2	301.9	3.40	4.00
3.16 NO							
L0002055	0	0.10030E-02	538835.2	3754051.6	301.6	3.40	4.00
3.16 NO							
L0002056	0	0.10030E-02	538835.4	3754043.0	301.3	3.40	4.00
3.16 NO							
L0002057	0	0.10030E-02	538835.6	3754034.4	301.0	3.40	4.00
3.16 NO							
L0002058	0	0.10030E-02	538835.8	3754025.8	300.7	3.40	4.00
3.16 NO							
L0002059	0	0.10030E-02	538836.0	3754017.2	300.4	3.40	4.00
3.16 NO							
L0002060	0	0.10030E-02	538836.2	3754008.6	300.2	3.40	4.00
3.16 NO							
L0002061	0	0.10030E-02	538836.4	3754000.0	299.9	3.40	4.00
3.16 NO							
L0002062	0	0.10030E-02	538836.6	3753991.4	299.6	3.40	4.00
3.16 NO							
L0002063	0	0.10030E-02	538836.8	3753982.8	299.3	3.40	4.00
3.16 NO							
L0002064	0	0.10030E-02	538837.0	3753974.2	298.9	3.40	4.00
3.16 NO							
L0002065	0	0.10030E-02	538837.2	3753965.6	298.6	3.40	4.00
3.16 NO							
L0002066	0	0.10030E-02	538837.3	3753957.1	298.2	3.40	4.00
3.16 NO							
L0002067	0	0.10030E-02	538837.5	3753948.5	297.9	3.40	4.00
3.16 NO							
L0002068	0	0.10030E-02	538842.2	3753944.5	297.7	3.40	4.00
3.16 NO							
L0002069	0	0.10030E-02	538850.8	3753944.6	297.7	3.40	4.00
3.16 NO							
L0002070	0	0.10030E-02	538859.4	3753944.7	297.7	3.40	4.00
3.16 NO							
L0002071	0	0.10030E-02	538868.0	3753944.9	297.7	3.40	4.00
3.16 NO							
L0002072	0	0.10030E-02	538876.6	3753945.0	297.7	3.40	4.00
3.16 NO							
L0002073	0	0.10030E-02	538885.2	3753945.1	297.6	3.40	4.00
3.16 NO							
L0002074	0	0.10030E-02	538893.8	3753945.2	297.5	3.40	4.00
3.16 NO							

L0002090	0	0.10030E-02	539010.7	3753967.0	296.8	3.40	4.00
3.16 NO							
L0002091	0	0.10030E-02	539010.5	3753975.6	297.1	3.40	4.00
3.16 NO							
L0002092	0	0.10030E-02	539010.3	3753984.2	297.4	3.40	4.00
3.16 NO							
L0002093	0	0.10030E-02	539010.0	3753992.8	297.8	3.40	4.00
3.16 NO							
L0002094	0	0.10030E-02	539009.8	3754001.4	298.1	3.40	4.00
3.16 NO							
L0002095	0	0.10030E-02	539009.6	3754010.0	298.4	3.40	4.00
3.16 NO							
L0002096	0	0.10030E-02	539009.3	3754018.6	298.8	3.40	4.00
3.16 NO							
L0002097	0	0.10030E-02	539009.1	3754027.2	299.2	3.40	4.00
3.16 NO							
L0002098	0	0.10030E-02	539008.9	3754035.8	299.5	3.40	4.00
3.16 NO							
L0002099	0	0.10030E-02	539006.2	3754043.4	299.7	3.40	4.00
3.16 NO							
L0002100	0	0.10030E-02	539000.1	3754049.5	299.9	3.40	4.00
3.16 NO							
L0002101	0	0.10030E-02	538994.1	3754055.6	300.2	3.40	4.00
3.16 NO							
L0002102	0	0.10030E-02	538988.1	3754061.8	300.4	3.40	4.00
3.16 NO							
L0002103	0	0.10030E-02	538982.0	3754067.9	300.7	3.40	4.00
3.16 NO							
L0002104	0	0.10030E-02	538976.0	3754074.0	300.9	3.40	4.00
3.16 NO							
L0002105	0	0.10030E-02	538970.0	3754080.1	301.2	3.40	4.00
3.16 NO							
L0002106	0	0.10030E-02	538963.9	3754086.3	301.5	3.40	4.00
3.16 NO							
L0002107	0	0.10030E-02	538957.9	3754092.4	301.7	3.40	4.00
3.16 NO							
L0002108	0	0.10030E-02	538951.9	3754098.5	302.0	3.40	4.00
3.16 NO							
L0002109	0	0.10030E-02	538945.8	3754104.7	302.3	3.40	4.00
3.16 NO							
L0002110	0	0.10030E-02	538939.8	3754110.8	302.6	3.40	4.00
3.16 NO							
L0002111	0	0.10030E-02	538933.8	3754116.9	302.9	3.40	4.00
3.16 NO							
L0002112	0	0.10030E-02	538931.2	3754124.6	303.2	3.40	4.00
3.16 NO							
L0002113	0	0.10030E-02	538930.9	3754133.2	303.5	3.40	4.00
3.16 NO							
L0002114	0	0.10030E-02	538930.6	3754141.8	303.8	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 5

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002115		0	0.10030E-02	538930.3	3754150.3	304.1	3.40	4.00
3.16	NO							
L0002116		0	0.10030E-02	538930.0	3754158.9	304.4	3.40	4.00
3.16	NO							
L0002117		0	0.10030E-02	538929.7	3754167.5	304.7	3.40	4.00
3.16	NO							
L0002118		0	0.10030E-02	538929.4	3754176.1	305.0	3.40	4.00
3.16	NO							
L0002119		0	0.10030E-02	538929.1	3754184.7	305.3	3.40	4.00
3.16	NO							
L0002120		0	0.10030E-02	538928.8	3754193.3	305.5	3.40	4.00
3.16	NO							
L0002121		0	0.10030E-02	538928.5	3754201.9	305.7	3.40	4.00
3.16	NO							
L0002122		0	0.10030E-02	538928.2	3754210.5	306.0	3.40	4.00
3.16	NO							
L0002123		0	0.10030E-02	538927.9	3754219.1	306.3	3.40	4.00
3.16	NO							
L0002124		0	0.10030E-02	538928.1	3754227.6	306.5	3.40	4.00
3.16	NO							
L0002125		0	0.10030E-02	538930.3	3754236.0	306.7	3.40	4.00
3.16	NO							
L0002126		0	0.10030E-02	538932.5	3754244.3	307.1	3.40	4.00
3.16	NO							
L0002127		0	0.10030E-02	538934.7	3754252.6	307.5	3.40	4.00
3.16	NO							
L0002128		0	0.10030E-02	538936.9	3754260.9	307.8	3.40	4.00
3.16	NO							
L0002129		0	0.10030E-02	538939.0	3754269.2	308.3	3.40	4.00
3.16	NO							

L0002130	0	0.10030E-02	538941.2	3754277.5	308.7	3.40	4.00
3.16 NO							
L0002131	0	0.10030E-02	538943.4	3754285.9	309.1	3.40	4.00
3.16 NO							
L0002132	0	0.10030E-02	538945.6	3754294.2	309.5	3.40	4.00
3.16 NO							
L0002133	0	0.10030E-02	538947.8	3754302.5	309.7	3.40	4.00
3.16 NO							
L0002134	0	0.10030E-02	538950.0	3754310.8	309.9	3.40	4.00
3.16 NO							
L0002135	0	0.10030E-02	538952.2	3754319.1	310.1	3.40	4.00
3.16 NO							
L0002136	0	0.10030E-02	538958.5	3754322.4	310.0	3.40	4.00
3.16 NO							
L0002137	0	0.10030E-02	538967.1	3754322.7	310.0	3.40	4.00
3.16 NO							
L0002138	0	0.10030E-02	538975.6	3754323.1	309.9	3.40	4.00
3.16 NO							
L0002139	0	0.10030E-02	538984.2	3754323.5	309.9	3.40	4.00
3.16 NO							
L0002140	0	0.10030E-02	538992.8	3754323.9	310.0	3.40	4.00
3.16 NO							
L0002141	0	0.10030E-02	539001.4	3754324.3	309.9	3.40	4.00
3.16 NO							
L0002142	0	0.10030E-02	539010.0	3754324.6	310.0	3.40	4.00
3.16 NO							
L0002143	0	0.10030E-02	539018.6	3754325.0	310.0	3.40	4.00
3.16 NO							
L0002144	0	0.10030E-02	539027.2	3754325.4	310.1	3.40	4.00
3.16 NO							
L0002145	0	0.10030E-02	539035.8	3754325.8	310.3	3.40	4.00
3.16 NO							
L0002146	0	0.10030E-02	539044.4	3754326.2	310.5	3.40	4.00
3.16 NO							
L0002147	0	0.10030E-02	539053.0	3754326.6	310.8	3.40	4.00
3.16 NO							
L0002148	0	0.10030E-02	539061.6	3754326.9	311.0	3.40	4.00
3.16 NO							
L0002149	0	0.10030E-02	539065.3	3754329.8	311.2	3.40	4.00
3.16 NO							
L0002150	0	0.10030E-02	539060.4	3754336.8	311.3	3.40	4.00
3.16 NO							
L0002151	0	0.10030E-02	539055.5	3754343.9	311.4	3.40	4.00
3.16 NO							
L0002152	0	0.10030E-02	539050.6	3754351.0	311.5	3.40	4.00
3.16 NO							
L0002153	0	0.10030E-02	539045.8	3754358.1	311.6	3.40	4.00
3.16 NO							
L0002154	0	0.10030E-02	539040.9	3754365.2	311.8	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 6

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0002155		0	0.10030E-02	539036.0	3754372.3	312.0	3.40	4.00
3.16	NO							
L0002156		0	0.10030E-02	539031.2	3754379.4	312.1	3.40	4.00
3.16	NO							
L0002157		0	0.10030E-02	539026.3	3754386.4	312.2	3.40	4.00
3.16	NO							
L0002158		0	0.10030E-02	539021.4	3754393.5	312.3	3.40	4.00
3.16	NO							
L0002159		0	0.10030E-02	539016.5	3754400.6	312.3	3.40	4.00
3.16	NO							
L0002160		0	0.10030E-02	539011.7	3754407.7	312.2	3.40	4.00
3.16	NO							
L0002161		0	0.10030E-02	539006.8	3754414.8	312.7	3.40	4.00
3.16	NO							
L0002162		0	0.10030E-02	539001.9	3754421.9	313.4	3.40	4.00
3.16	NO							
L0002163		0	0.10030E-02	538997.0	3754429.0	314.0	3.40	4.00
3.16	NO							
L0002164		0	0.10030E-02	538992.2	3754436.0	314.5	3.40	4.00
3.16	NO							
L0002165		0	0.10030E-02	538987.3	3754443.1	314.9	3.40	4.00
3.16	NO							
L0002166		0	0.10030E-02	538982.4	3754450.2	315.4	3.40	4.00
3.16	NO							
L0002167		0	0.10030E-02	538977.5	3754457.3	315.7	3.40	4.00
3.16	NO							
L0002168		0	0.10030E-02	538972.7	3754464.4	315.9	3.40	4.00
3.16	NO							
L0002169		0	0.10030E-02	538967.8	3754471.5	316.2	3.40	4.00
3.16	NO							

L0002170	0	0.10030E-02	538962.9	3754478.6	316.5	3.40	4.00
3.16 NO							
L0002171	0	0.10030E-02	538958.0	3754485.6	316.8	3.40	4.00
3.16 NO							
L0002172	0	0.10030E-02	538953.2	3754492.7	316.9	3.40	4.00
3.16 NO							
L0002173	0	0.10030E-02	538948.3	3754499.8	317.0	3.40	4.00
3.16 NO							
L0002174	0	0.10030E-02	538943.4	3754506.9	316.7	3.40	4.00
3.16 NO							
L0002175	0	0.10030E-02	538938.6	3754514.0	316.6	3.40	4.00
3.16 NO							
L0002176	0	0.10030E-02	538933.7	3754521.1	316.7	3.40	4.00
3.16 NO							
L0002177	0	0.10030E-02	538928.8	3754528.2	317.0	3.40	4.00
3.16 NO							
L0002178	0	0.10030E-02	538923.9	3754535.2	317.3	3.40	4.00
3.16 NO							
L0002179	0	0.10030E-02	538919.1	3754542.3	317.5	3.40	4.00
3.16 NO							
L0002180	0	0.10030E-02	538914.2	3754549.4	317.7	3.40	4.00
3.16 NO							
L0002181	0	0.10030E-02	538909.3	3754556.5	317.8	3.40	4.00
3.16 NO							
L0002182	0	0.10030E-02	538904.4	3754563.6	317.9	3.40	4.00
3.16 NO							
L0002183	0	0.10030E-02	538897.5	3754566.8	317.9	3.40	4.00
3.16 NO							
L0002184	0	0.10030E-02	538888.9	3754567.0	317.9	3.40	4.00
3.16 NO							
L0002185	0	0.10030E-02	538880.3	3754567.2	318.1	3.40	4.00
3.16 NO							
L0002186	0	0.10030E-02	538871.7	3754567.4	318.4	3.40	4.00
3.16 NO							
L0002187	0	0.10030E-02	538863.1	3754567.6	318.7	3.40	4.00
3.16 NO							
L0002188	0	0.10030E-02	538854.5	3754567.8	319.0	3.40	4.00
3.16 NO							
L0002189	0	0.10030E-02	538846.5	3754567.4	319.2	3.40	4.00
3.16 NO							
L0002190	0	0.10030E-02	538846.7	3754558.8	319.1	3.40	4.00
3.16 NO							
L0002191	0	0.10030E-02	538846.9	3754550.2	319.0	3.40	4.00
3.16 NO							
L0002192	0	0.10030E-02	538847.1	3754541.6	318.9	3.40	4.00
3.16 NO							
L0002193	0	0.10030E-02	538847.2	3754533.0	318.8	3.40	4.00
3.16 NO							
L0002194	0	0.10030E-02	538847.4	3754524.4	318.6	3.40	4.00
3.16 NO							

L0002210	0	0.10030E-02	538850.4	3754386.8	314.8	3.40	4.00
3.16 NO							
L0002211	0	0.10030E-02	538850.5	3754378.2	314.0	3.40	4.00
3.16 NO							
L0002212	0	0.10030E-02	538850.7	3754369.6	313.5	3.40	4.00
3.16 NO							
L0002213	0	0.10030E-02	538850.9	3754361.0	313.1	3.40	4.00
3.16 NO							
L0002214	0	0.10030E-02	538851.1	3754352.4	312.6	3.40	4.00
3.16 NO							
L0002215	0	0.10030E-02	538851.3	3754343.8	312.1	3.40	4.00
3.16 NO							
L0002216	0	0.10030E-02	538851.5	3754335.3	311.7	3.40	4.00
3.16 NO							
L0002217	0	0.10030E-02	538851.6	3754326.7	311.5	3.40	4.00
3.16 NO							
L0002218	0	0.10030E-02	538851.8	3754318.1	311.3	3.40	4.00
3.16 NO							
L0002219	0	0.10030E-02	538852.0	3754309.5	311.1	3.40	4.00
3.16 NO							
L0002220	0	0.10030E-02	538852.2	3754300.9	310.9	3.40	4.00
3.16 NO							
L0002221	0	0.10030E-02	538852.4	3754292.3	310.7	3.40	4.00
3.16 NO							
L0002222	0	0.10030E-02	538852.6	3754283.7	310.5	3.40	4.00
3.16 NO							
L0002223	0	0.10030E-02	538852.7	3754275.1	310.2	3.40	4.00
3.16 NO							
L0002224	0	0.10030E-02	538852.9	3754266.5	309.8	3.40	4.00
3.16 NO							
L0002225	0	0.10030E-02	538853.1	3754257.9	309.5	3.40	4.00
3.16 NO							
L0002226	0	0.10030E-02	538853.3	3754249.3	309.1	3.40	4.00
3.16 NO							
L0002227	0	0.10030E-02	538853.5	3754240.7	308.6	3.40	4.00
3.16 NO							
L0002228	0	0.10030E-02	538853.6	3754232.1	308.2	3.40	4.00
3.16 NO							
L0002229	0	0.10030E-02	538853.8	3754223.5	307.8	3.40	4.00
3.16 NO							
L0002230	0	0.10030E-02	538854.0	3754214.9	307.5	3.40	4.00
3.16 NO							
L0002231	0	0.10030E-02	538854.2	3754206.3	307.1	3.40	4.00
3.16 NO							
L0002232	0	0.10030E-02	538854.4	3754197.7	306.8	3.40	4.00
3.16 NO							
L0002233	0	0.10030E-02	538854.6	3754189.1	306.4	3.40	4.00
3.16 NO							
L0002234	0	0.10030E-02	538854.7	3754180.5	306.1	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 8

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002235		0	0.10030E-02	538854.9	3754171.9	305.8	3.40	4.00
3.16	NO							
L0002236		0	0.10030E-02	538855.1	3754163.3	305.4	3.40	4.00
3.16	NO							
L0002237		0	0.10030E-02	538855.3	3754154.7	305.1	3.40	4.00
3.16	NO							
L0002238		0	0.10030E-02	538855.5	3754146.1	304.8	3.40	4.00
3.16	NO							
L0002239		0	0.10030E-02	538855.7	3754137.5	304.4	3.40	4.00
3.16	NO							
L0002240		0	0.10030E-02	538855.8	3754128.9	304.2	3.40	4.00
3.16	NO							
L0002241		0	0.10030E-02	538856.0	3754120.3	303.9	3.40	4.00
3.16	NO							
L0002242		0	0.10030E-02	538856.2	3754111.7	303.6	3.40	4.00
3.16	NO							
L0002243		0	0.10030E-02	538856.4	3754103.1	303.2	3.40	4.00
3.16	NO							
L0002244		0	0.10030E-02	538856.6	3754094.5	302.9	3.40	4.00
3.16	NO							
L0002245		0	0.10030E-02	538856.8	3754085.9	302.7	3.40	4.00
3.16	NO							
L0002246		0	0.10030E-02	538856.9	3754077.3	302.4	3.40	4.00
3.16	NO							
L0002247		0	0.10030E-02	538857.1	3754068.7	302.0	3.40	4.00
3.16	NO							
L0002248		0	0.10030E-02	538857.3	3754060.1	301.7	3.40	4.00
3.16	NO							
L0002249		0	0.10030E-02	538857.5	3754051.5	301.5	3.40	4.00
3.16	NO							

L0002250	0	0.10030E-02	538857.7	3754042.9	301.2	3.40	4.00
3.16 NO							
L0002251	0	0.10030E-02	538857.9	3754034.3	300.9	3.40	4.00
3.16 NO							
L0002252	0	0.10030E-02	538858.0	3754025.7	300.7	3.40	4.00
3.16 NO							
L0002253	0	0.10030E-02	538858.2	3754017.1	300.5	3.40	4.00
3.16 NO							
L0002254	0	0.10030E-02	538858.4	3754008.5	300.2	3.40	4.00
3.16 NO							
L0002255	0	0.10030E-02	538858.6	3753999.9	299.9	3.40	4.00
3.16 NO							
L0002256	0	0.10030E-02	538858.8	3753991.3	299.7	3.40	4.00
3.16 NO							
L0002257	0	0.10030E-02	538859.0	3753982.7	299.3	3.40	4.00
3.16 NO							
L0002258	0	0.10030E-02	538859.1	3753974.1	298.9	3.40	4.00
3.16 NO							
L0002259	0	0.10030E-02	538865.9	3753972.3	298.9	3.40	4.00
3.16 NO							
L0002260	0	0.10030E-02	538874.5	3753972.3	298.8	3.40	4.00
3.16 NO							
L0002261	0	0.10030E-02	538883.1	3753972.3	298.8	3.40	4.00
3.16 NO							
L0002262	0	0.10030E-02	538891.7	3753972.3	298.7	3.40	4.00
3.16 NO							
L0002263	0	0.10030E-02	538900.3	3753972.3	298.6	3.40	4.00
3.16 NO							
L0002264	0	0.10030E-02	538908.9	3753972.3	298.5	3.40	4.00
3.16 NO							
L0002265	0	0.10030E-02	538917.5	3753972.3	298.4	3.40	4.00
3.16 NO							
L0002266	0	0.10030E-02	538926.1	3753972.3	298.2	3.40	4.00
3.16 NO							
L0002267	0	0.10030E-02	538934.7	3753972.3	298.1	3.40	4.00
3.16 NO							
L0002268	0	0.10030E-02	538943.3	3753972.3	298.0	3.40	4.00
3.16 NO							
L0002269	0	0.10030E-02	538951.9	3753972.3	297.8	3.40	4.00
3.16 NO							
L0002270	0	0.10030E-02	538960.5	3753972.3	297.7	3.40	4.00
3.16 NO							
L0002271	0	0.10030E-02	538969.1	3753972.3	297.5	3.40	4.00
3.16 NO							
L0002272	0	0.10030E-02	538977.7	3753972.3	297.4	3.40	4.00
3.16 NO							
L0002273	0	0.10030E-02	538980.9	3753977.8	297.6	3.40	4.00
3.16 NO							
L0002274	0	0.10030E-02	538980.9	3753986.4	297.8	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 9

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0002275		0	0.10030E-02	538980.9	3753995.0	298.1	3.40	4.00
3.16	NO							
L0002276		0	0.10030E-02	538980.9	3754003.6	298.4	3.40	4.00
3.16	NO							
L0002277		0	0.10030E-02	538980.9	3754012.2	298.7	3.40	4.00
3.16	NO							
L0002278		0	0.10030E-02	538980.9	3754020.8	298.9	3.40	4.00
3.16	NO							
L0002279		0	0.10030E-02	538980.9	3754029.4	299.2	3.40	4.00
3.16	NO							
L0002280		0	0.10030E-02	538980.1	3754037.7	299.5	3.40	4.00
3.16	NO							
L0002281		0	0.10030E-02	538973.8	3754043.6	299.7	3.40	4.00
3.16	NO							
L0002282		0	0.10030E-02	538967.6	3754049.5	300.0	3.40	4.00
3.16	NO							
L0002283		0	0.10030E-02	538961.4	3754055.4	300.3	3.40	4.00
3.16	NO							
L0002284		0	0.10030E-02	538955.1	3754061.3	300.6	3.40	4.00
3.16	NO							
L0002285		0	0.10030E-02	538948.9	3754067.2	300.9	3.40	4.00
3.16	NO							
L0002286		0	0.10030E-02	538942.6	3754073.2	301.2	3.40	4.00
3.16	NO							
L0002287		0	0.10030E-02	538936.4	3754079.1	301.5	3.40	4.00
3.16	NO							
L0002288		0	0.10030E-02	538930.1	3754085.0	301.8	3.40	4.00
3.16	NO							
L0002289		0	0.10030E-02	538923.9	3754090.9	302.1	3.40	4.00
3.16	NO							

L0002290	0	0.10030E-02	538917.7	3754096.8	302.4	3.40	4.00
3.16 NO							
L0002291	0	0.10030E-02	538911.4	3754102.7	302.7	3.40	4.00
3.16 NO							
L0002292	0	0.10030E-02	538908.6	3754110.1	303.0	3.40	4.00
3.16 NO							
L0002293	0	0.10030E-02	538908.5	3754118.7	303.3	3.40	4.00
3.16 NO							
L0002294	0	0.10030E-02	538908.4	3754127.3	303.6	3.40	4.00
3.16 NO							
L0002295	0	0.10030E-02	538908.3	3754135.9	303.9	3.40	4.00
3.16 NO							
L0002296	0	0.10030E-02	538908.3	3754144.5	304.2	3.40	4.00
3.16 NO							
L0002297	0	0.10030E-02	538908.2	3754153.1	304.5	3.40	4.00
3.16 NO							
L0002298	0	0.10030E-02	538908.1	3754161.7	304.8	3.40	4.00
3.16 NO							
L0002299	0	0.10030E-02	538908.1	3754170.3	305.1	3.40	4.00
3.16 NO							
L0002300	0	0.10030E-02	538908.0	3754178.9	305.4	3.40	4.00
3.16 NO							
L0002301	0	0.10030E-02	538907.9	3754187.5	305.7	3.40	4.00
3.16 NO							
L0002302	0	0.10030E-02	538907.8	3754196.1	306.0	3.40	4.00
3.16 NO							
L0002303	0	0.10030E-02	538907.8	3754204.7	306.3	3.40	4.00
3.16 NO							
L0002304	0	0.10030E-02	538907.7	3754213.3	306.5	3.40	4.00
3.16 NO							
L0002305	0	0.10030E-02	538907.6	3754221.9	306.8	3.40	4.00
3.16 NO							
L0002306	0	0.10030E-02	538907.5	3754230.5	307.2	3.40	4.00
3.16 NO							
L0002307	0	0.10030E-02	538907.5	3754239.1	307.5	3.40	4.00
3.16 NO							
L0002308	0	0.10030E-02	538907.4	3754247.7	307.9	3.40	4.00
3.16 NO							
L0002309	0	0.10030E-02	538907.7	3754256.3	308.5	3.40	4.00
3.16 NO							
L0002310	0	0.10030E-02	538910.0	3754264.6	309.1	3.40	4.00
3.16 NO							
L0002311	0	0.10030E-02	538912.2	3754272.9	309.6	3.40	4.00
3.16 NO							
L0002312	0	0.10030E-02	538914.5	3754281.2	310.1	3.40	4.00
3.16 NO							
L0002313	0	0.10030E-02	538916.7	3754289.5	310.4	3.40	4.00
3.16 NO							
L0002314	0	0.10030E-02	538919.0	3754297.8	310.6	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY					
(METERS)								
L0002315		0	0.10030E-02	538921.2	3754306.1	310.8	3.40	4.00
3.16	NO							
L0002316		0	0.10030E-02	538923.5	3754314.4	310.7	3.40	4.00
3.16	NO							
L0002317		0	0.10030E-02	538925.7	3754322.7	310.7	3.40	4.00
3.16	NO							
L0002318		0	0.10030E-02	538928.0	3754331.0	310.6	3.40	4.00
3.16	NO							
L0002319		0	0.10030E-02	538930.2	3754339.3	310.6	3.40	4.00
3.16	NO							
L0002320		0	0.10030E-02	538932.5	3754347.6	310.7	3.40	4.00
3.16	NO							
L0002321		0	0.10030E-02	538934.7	3754355.9	310.9	3.40	4.00
3.16	NO							
L0002322		0	0.10030E-02	538942.0	3754357.7	311.3	3.40	4.00
3.16	NO							
L0002323		0	0.10030E-02	538950.6	3754357.9	311.6	3.40	4.00
3.16	NO							
L0002324		0	0.10030E-02	538959.2	3754358.0	311.8	3.40	4.00
3.16	NO							
L0002325		0	0.10030E-02	538967.8	3754358.1	311.7	3.40	4.00
3.16	NO							
L0002326		0	0.10030E-02	538976.4	3754358.3	311.6	3.40	4.00
3.16	NO							
L0002327		0	0.10030E-02	538985.0	3754358.4	311.3	3.40	4.00
3.16	NO							
L0002328		0	0.10030E-02	538993.6	3754358.6	311.1	3.40	4.00
3.16	NO							
L0002329		0	0.10030E-02	539002.2	3754358.7	310.9	3.40	4.00
3.16	NO							

L0002330	0	0.10030E-02	539010.8	3754358.9	310.9	3.40	4.00
3.16 NO							
L0002331	0	0.10030E-02	539007.0	3754365.8	311.1	3.40	4.00
3.16 NO							
L0002332	0	0.10030E-02	539002.6	3754373.2	311.2	3.40	4.00
3.16 NO							
L0002333	0	0.10030E-02	538998.1	3754380.5	311.4	3.40	4.00
3.16 NO							
L0002334	0	0.10030E-02	538993.6	3754387.8	311.5	3.40	4.00
3.16 NO							
L0002335	0	0.10030E-02	538989.1	3754395.2	311.8	3.40	4.00
3.16 NO							
L0002336	0	0.10030E-02	538984.7	3754402.5	312.1	3.40	4.00
3.16 NO							
L0002337	0	0.10030E-02	538980.2	3754409.9	312.6	3.40	4.00
3.16 NO							
L0002338	0	0.10030E-02	538975.7	3754417.2	313.0	3.40	4.00
3.16 NO							
L0002339	0	0.10030E-02	538971.2	3754424.6	313.4	3.40	4.00
3.16 NO							
L0002340	0	0.10030E-02	538966.7	3754431.9	313.9	3.40	4.00
3.16 NO							
L0002341	0	0.10030E-02	538962.3	3754439.2	314.4	3.40	4.00
3.16 NO							
L0002342	0	0.10030E-02	538957.8	3754446.6	314.7	3.40	4.00
3.16 NO							
L0002343	0	0.10030E-02	538953.3	3754453.9	315.1	3.40	4.00
3.16 NO							
L0002344	0	0.10030E-02	538948.8	3754461.3	315.4	3.40	4.00
3.16 NO							
L0002345	0	0.10030E-02	538944.4	3754468.6	315.7	3.40	4.00
3.16 NO							
L0002346	0	0.10030E-02	538939.9	3754476.0	316.0	3.40	4.00
3.16 NO							
L0002347	0	0.10030E-02	538935.4	3754483.3	316.2	3.40	4.00
3.16 NO							
L0002348	0	0.10030E-02	538930.9	3754490.6	316.1	3.40	4.00
3.16 NO							
L0002349	0	0.10030E-02	538926.5	3754498.0	316.1	3.40	4.00
3.16 NO							
L0002350	0	0.10030E-02	538922.0	3754505.3	316.3	3.40	4.00
3.16 NO							
L0002351	0	0.10030E-02	538917.5	3754512.7	316.5	3.40	4.00
3.16 NO							
L0002352	0	0.10030E-02	538913.0	3754520.0	316.7	3.40	4.00
3.16 NO							
L0002353	0	0.10030E-02	538908.6	3754527.4	316.9	3.40	4.00
3.16 NO							
L0002354	0	0.10030E-02	538904.1	3754534.7	317.2	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 11

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002355		0	0.10030E-02	538899.6	3754542.1	317.4	3.40	4.00
3.16	NO							
L0002356		0	0.10030E-02	538892.1	3754544.3	317.6	3.40	4.00
3.16	NO							
L0002357		0	0.10030E-02	538883.5	3754544.7	317.9	3.40	4.00
3.16	NO							
L0002358		0	0.10030E-02	538874.9	3754545.2	318.1	3.40	4.00
3.16	NO							
L0002359		0	0.10030E-02	538874.5	3754537.1	318.1	3.40	4.00
3.16	NO							
L0002360		0	0.10030E-02	538874.7	3754528.5	317.9	3.40	4.00
3.16	NO							
L0002361		0	0.10030E-02	538874.9	3754519.9	317.8	3.40	4.00
3.16	NO							
L0002362		0	0.10030E-02	538875.0	3754511.3	317.7	3.40	4.00
3.16	NO							
L0002363		0	0.10030E-02	538875.2	3754502.7	317.5	3.40	4.00
3.16	NO							
L0002364		0	0.10030E-02	538875.3	3754494.1	317.3	3.40	4.00
3.16	NO							
L0002365		0	0.10030E-02	538875.5	3754485.5	317.1	3.40	4.00
3.16	NO							
L0002366		0	0.10030E-02	538875.7	3754476.9	316.9	3.40	4.00
3.16	NO							
L0002367		0	0.10030E-02	538875.8	3754468.3	316.7	3.40	4.00
3.16	NO							
L0002368		0	0.10030E-02	538876.0	3754459.7	316.7	3.40	4.00
3.16	NO							
L0002369		0	0.10030E-02	538876.1	3754451.1	316.8	3.40	4.00
3.16	NO							

L0002370	0	0.10030E-02	538876.3	3754442.5	316.7	3.40	4.00
3.16 NO							
L0002371	0	0.10030E-02	538876.5	3754433.9	316.5	3.40	4.00
3.16 NO							
L0002372	0	0.10030E-02	538876.6	3754425.3	316.1	3.40	4.00
3.16 NO							
L0002373	0	0.10030E-02	538876.8	3754416.7	315.6	3.40	4.00
3.16 NO							
L0002374	0	0.10030E-02	538876.9	3754408.1	314.9	3.40	4.00
3.16 NO							
L0002375	0	0.10030E-02	538877.1	3754399.5	313.8	3.40	4.00
3.16 NO							
L0002376	0	0.10030E-02	538877.2	3754390.9	313.2	3.40	4.00
3.16 NO							
L0002377	0	0.10030E-02	538877.4	3754382.3	312.9	3.40	4.00
3.16 NO							
L0002378	0	0.10030E-02	538877.6	3754373.7	312.7	3.40	4.00
3.16 NO							
L0002379	0	0.10030E-02	538877.7	3754365.1	312.5	3.40	4.00
3.16 NO							
L0002380	0	0.10030E-02	538877.9	3754356.5	312.4	3.40	4.00
3.16 NO							
L0002381	0	0.10030E-02	538878.0	3754347.9	312.4	3.40	4.00
3.16 NO							
L0002382	0	0.10030E-02	538878.2	3754339.3	312.3	3.40	4.00
3.16 NO							
L0002383	0	0.10030E-02	538878.4	3754330.7	312.2	3.40	4.00
3.16 NO							
L0002384	0	0.10030E-02	538878.5	3754322.1	312.1	3.40	4.00
3.16 NO							
L0002385	0	0.10030E-02	538878.7	3754313.5	311.9	3.40	4.00
3.16 NO							
L0002386	0	0.10030E-02	538878.8	3754304.9	311.8	3.40	4.00
3.16 NO							
L0002387	0	0.10030E-02	538879.0	3754296.3	311.6	3.40	4.00
3.16 NO							
L0002388	0	0.10030E-02	538879.2	3754287.7	311.2	3.40	4.00
3.16 NO							
L0002389	0	0.10030E-02	538879.3	3754279.1	310.8	3.40	4.00
3.16 NO							
L0002390	0	0.10030E-02	538879.5	3754270.5	310.2	3.40	4.00
3.16 NO							
L0002391	0	0.10030E-02	538879.6	3754261.9	309.6	3.40	4.00
3.16 NO							
L0002392	0	0.10030E-02	538879.8	3754253.3	308.9	3.40	4.00
3.16 NO							
L0002393	0	0.10030E-02	538880.0	3754244.7	308.4	3.40	4.00
3.16 NO							
L0002394	0	0.10030E-02	538880.1	3754236.1	308.0	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 12

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0002395		0	0.10030E-02	538880.3	3754227.5	307.6	3.40	4.00
3.16	NO							
L0002396		0	0.10030E-02	538880.4	3754218.9	307.3	3.40	4.00
3.16	NO							
L0002397		0	0.10030E-02	538880.6	3754210.3	307.0	3.40	4.00
3.16	NO							
L0002398		0	0.10030E-02	538880.8	3754201.7	306.7	3.40	4.00
3.16	NO							
L0002399		0	0.10030E-02	538880.9	3754193.1	306.4	3.40	4.00
3.16	NO							
L0002400		0	0.10030E-02	538881.1	3754184.5	306.0	3.40	4.00
3.16	NO							
L0002401		0	0.10030E-02	538881.2	3754175.9	305.7	3.40	4.00
3.16	NO							
L0002402		0	0.10030E-02	538881.4	3754167.3	305.3	3.40	4.00
3.16	NO							
L0002403		0	0.10030E-02	538881.6	3754158.7	305.0	3.40	4.00
3.16	NO							
L0002404		0	0.10030E-02	538881.7	3754150.1	304.7	3.40	4.00
3.16	NO							
L0002405		0	0.10030E-02	538881.9	3754141.6	304.4	3.40	4.00
3.16	NO							
L0002406		0	0.10030E-02	538882.0	3754133.0	304.1	3.40	4.00
3.16	NO							
L0002407		0	0.10030E-02	538882.2	3754124.4	303.8	3.40	4.00
3.16	NO							
L0002408		0	0.10030E-02	538882.4	3754115.8	303.4	3.40	4.00
3.16	NO							
L0002409		0	0.10030E-02	538882.5	3754107.2	303.2	3.40	4.00
3.16	NO							

L0002410	0	0.10030E-02	538882.7	3754098.6	302.9	3.40	4.00
3.16 NO							
L0002411	0	0.10030E-02	538882.8	3754090.0	302.5	3.40	4.00
3.16 NO							
L0002412	0	0.10030E-02	538883.0	3754081.4	302.2	3.40	4.00
3.16 NO							
L0002413	0	0.10030E-02	538883.2	3754072.8	301.9	3.40	4.00
3.16 NO							
L0002414	0	0.10030E-02	538883.3	3754064.2	301.7	3.40	4.00
3.16 NO							
L0002415	0	0.10030E-02	538883.5	3754055.6	301.4	3.40	4.00
3.16 NO							
L0002416	0	0.10030E-02	538883.6	3754047.0	301.2	3.40	4.00
3.16 NO							
L0002417	0	0.10030E-02	538883.8	3754038.4	300.9	3.40	4.00
3.16 NO							
L0002418	0	0.10030E-02	538884.0	3754029.8	300.7	3.40	4.00
3.16 NO							
L0002419	0	0.10030E-02	538884.1	3754021.2	300.5	3.40	4.00
3.16 NO							
L0002420	0	0.10030E-02	538884.3	3754012.6	300.2	3.40	4.00
3.16 NO							
L0002421	0	0.10030E-02	538884.4	3754004.0	299.9	3.40	4.00
3.16 NO							
L0002422	0	0.10030E-02	538888.1	3753999.0	299.8	3.40	4.00
3.16 NO							
L0002423	0	0.10030E-02	538896.7	3753999.2	299.7	3.40	4.00
3.16 NO							
L0002424	0	0.10030E-02	538905.3	3753999.3	299.6	3.40	4.00
3.16 NO							
L0002425	0	0.10030E-02	538913.9	3753999.5	299.5	3.40	4.00
3.16 NO							
L0002426	0	0.10030E-02	538922.5	3753999.7	299.4	3.40	4.00
3.16 NO							
L0002427	0	0.10030E-02	538931.1	3753999.8	299.2	3.40	4.00
3.16 NO							
L0002428	0	0.10030E-02	538939.7	3754000.0	299.1	3.40	4.00
3.16 NO							
L0002429	0	0.10030E-02	538948.3	3754000.2	298.9	3.40	4.00
3.16 NO							
L0002430	0	0.10030E-02	538948.9	3754007.9	299.2	3.40	4.00
3.16 NO							
L0002431	0	0.10030E-02	538948.6	3754016.5	299.4	3.40	4.00
3.16 NO							
L0002432	0	0.10030E-02	538948.3	3754025.1	299.7	3.40	4.00
3.16 NO							
L0002433	0	0.10030E-02	538948.0	3754033.7	299.9	3.40	4.00
3.16 NO							
L0002434	0	0.10030E-02	538944.1	3754040.6	300.2	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 13

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
ID	SCALAR	VARY			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						
L0002435	0	0.10030E-02	538937.9	3754046.6	300.5	3.40	4.00	
3.16	NO							
L0002436	0	0.10030E-02	538931.7	3754052.6	300.8	3.40	4.00	
3.16	NO							
L0002437	0	0.10030E-02	538925.6	3754058.6	301.0	3.40	4.00	
3.16	NO							
L0002438	0	0.10030E-02	538919.4	3754064.6	301.3	3.40	4.00	
3.16	NO							
L0002439	0	0.10030E-02	538913.2	3754070.6	301.6	3.40	4.00	
3.16	NO							
L0002440	0	0.10030E-02	538907.4	3754075.8	301.8	3.40	4.00	
3.16	NO							
L0002441	0	0.10030E-02	538908.1	3754067.2	301.5	3.40	4.00	
3.16	NO							
L0002442	0	0.10030E-02	538908.8	3754058.6	301.3	3.40	4.00	
3.16	NO							
L0002443	0	0.10030E-02	538909.5	3754050.1	301.0	3.40	4.00	
3.16	NO							
L0002444	0	0.10030E-02	538910.2	3754041.5	300.8	3.40	4.00	
3.16	NO							
L0002445	0	0.10030E-02	538910.9	3754032.9	300.5	3.40	4.00	
3.16	NO							
L0002446	0	0.10030E-02	538898.1	3754498.4	316.7	3.40	4.00	
3.16	NO							
L0002447	0	0.10030E-02	538902.5	3754491.0	316.4	3.40	4.00	
3.16	NO							
L0002448	0	0.10030E-02	538906.8	3754483.5	316.0	3.40	4.00	
3.16	NO							
L0002449	0	0.10030E-02	538911.2	3754476.1	315.8	3.40	4.00	
3.16	NO							

L0002450	0	0.10030E-02	538915.5	3754468.7	315.6	3.40	4.00
3.16 NO							
L0002451	0	0.10030E-02	538919.9	3754461.3	315.4	3.40	4.00
3.16 NO							
L0002452	0	0.10030E-02	538924.2	3754453.9	315.0	3.40	4.00
3.16 NO							
L0002453	0	0.10030E-02	538928.6	3754446.5	314.5	3.40	4.00
3.16 NO							
L0002454	0	0.10030E-02	538932.9	3754439.0	314.0	3.40	4.00
3.16 NO							
L0002455	0	0.10030E-02	538937.3	3754431.6	313.6	3.40	4.00
3.16 NO							
L0002456	0	0.10030E-02	538941.6	3754424.2	313.0	3.40	4.00
3.16 NO							
L0002457	0	0.10030E-02	538946.0	3754416.8	312.6	3.40	4.00
3.16 NO							
L0002458	0	0.10030E-02	538950.3	3754409.4	312.5	3.40	4.00
3.16 NO							
L0002459	0	0.10030E-02	538954.7	3754402.0	312.6	3.40	4.00
3.16 NO							
L0002460	0	0.10030E-02	538959.1	3754394.5	312.7	3.40	4.00
3.16 NO							
L0002461	0	0.10030E-02	538963.4	3754387.1	312.4	3.40	4.00
3.16 NO							
L0002462	0	0.10030E-02	538957.7	3754385.2	312.3	3.40	4.00
3.16 NO							
L0002463	0	0.10030E-02	538949.1	3754384.7	312.0	3.40	4.00
3.16 NO							
L0002464	0	0.10030E-02	538940.5	3754384.3	311.6	3.40	4.00
3.16 NO							
L0002465	0	0.10030E-02	538931.9	3754383.9	311.3	3.40	4.00
3.16 NO							
L0002466	0	0.10030E-02	538923.3	3754383.5	311.2	3.40	4.00
3.16 NO							
L0002467	0	0.10030E-02	538914.7	3754383.1	311.2	3.40	4.00
3.16 NO							
L0002468	0	0.10030E-02	538911.4	3754376.8	311.2	3.40	4.00
3.16 NO							
L0002469	0	0.10030E-02	538910.0	3754368.3	311.2	3.40	4.00
3.16 NO							
L0002470	0	0.10030E-02	538908.6	3754359.8	311.3	3.40	4.00
3.16 NO							
L0002471	0	0.10030E-02	538907.2	3754351.3	311.3	3.40	4.00
3.16 NO							
L0002472	0	0.10030E-02	538905.8	3754342.8	311.3	3.40	4.00
3.16 NO							
L0002473	0	0.10030E-02	538904.5	3754334.3	311.4	3.40	4.00
3.16 NO							
L0002474	0	0.10030E-02	538903.1	3754325.8	311.6	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 14

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0002475		0	0.10030E-02	538901.7	3754317.4	311.6	3.40	4.00
3.16	NO							
L0002476		0	0.10030E-02	538901.0	3754317.7	311.7	3.40	4.00
3.16	NO							
L0002477		0	0.10030E-02	538901.0	3754326.3	311.7	3.40	4.00
3.16	NO							
L0002478		0	0.10030E-02	538901.0	3754334.9	311.6	3.40	4.00
3.16	NO							
L0002479		0	0.10030E-02	538901.0	3754343.5	311.5	3.40	4.00
3.16	NO							
L0002480		0	0.10030E-02	538901.0	3754352.1	311.6	3.40	4.00
3.16	NO							
L0002481		0	0.10030E-02	538901.0	3754360.7	311.6	3.40	4.00
3.16	NO							
L0002482		0	0.10030E-02	538901.0	3754369.3	311.6	3.40	4.00
3.16	NO							
L0002483		0	0.10030E-02	538901.0	3754377.9	311.6	3.40	4.00
3.16	NO							
L0002484		0	0.10030E-02	538901.0	3754386.5	311.6	3.40	4.00
3.16	NO							
L0002485		0	0.10030E-02	538901.0	3754395.1	311.7	3.40	4.00
3.16	NO							
L0002486		0	0.10030E-02	538901.0	3754403.7	312.1	3.40	4.00
3.16	NO							
L0002487		0	0.10030E-02	538901.0	3754412.3	312.8	3.40	4.00
3.16	NO							
L0002488		0	0.10030E-02	538901.0	3754420.9	313.4	3.40	4.00
3.16	NO							
L0002489		0	0.10030E-02	538901.0	3754429.5	314.1	3.40	4.00
3.16	NO							

L0002490	0	0.10030E-02	538901.0	3754438.1	314.7	3.40	4.00
3.16 NO							
L0002491	0	0.10030E-02	538901.0	3754446.7	315.2	3.40	4.00
3.16 NO							
L0002492	0	0.10030E-02	538901.0	3754455.3	315.5	3.40	4.00
3.16 NO							
L0002493	0	0.10030E-02	538901.0	3754463.9	315.7	3.40	4.00
3.16 NO							
L0002494	0	0.10030E-02	538904.1	3754456.3	315.5	3.40	4.00
3.16 NO							
L0002495	0	0.10030E-02	538907.3	3754448.3	315.0	3.40	4.00
3.16 NO							
L0002496	0	0.10030E-02	538910.4	3754440.3	314.4	3.40	4.00
3.16 NO							
L0002497	0	0.10030E-02	538913.6	3754432.3	313.7	3.40	4.00
3.16 NO							
L0002498	0	0.10030E-02	538916.7	3754424.3	313.1	3.40	4.00
3.16 NO							
L0002499	0	0.10030E-02	538919.9	3754416.3	312.5	3.40	4.00
3.16 NO							
L0002500	0	0.10030E-02	539535.2	3754668.2	314.0	3.40	4.00
3.16 NO							
L0002501	0	0.10030E-02	539543.8	3754668.4	313.7	3.40	4.00
3.16 NO							
L0002502	0	0.10030E-02	539552.4	3754668.5	313.4	3.40	4.00
3.16 NO							
L0002503	0	0.10030E-02	539561.0	3754668.7	313.0	3.40	4.00
3.16 NO							
L0002504	0	0.10030E-02	539569.6	3754668.9	312.6	3.40	4.00
3.16 NO							
L0002505	0	0.10030E-02	539578.2	3754669.1	312.2	3.40	4.00
3.16 NO							
L0002506	0	0.10030E-02	539586.8	3754669.2	311.9	3.40	4.00
3.16 NO							
L0002507	0	0.10030E-02	539595.4	3754669.4	311.7	3.40	4.00
3.16 NO							
L0002508	0	0.10030E-02	539604.0	3754669.6	311.8	3.40	4.00
3.16 NO							
L0002509	0	0.10030E-02	539612.6	3754669.7	311.9	3.40	4.00
3.16 NO							
L0002510	0	0.10030E-02	539621.2	3754669.9	312.1	3.40	4.00
3.16 NO							
L0002511	0	0.10030E-02	539629.8	3754670.1	312.3	3.40	4.00
3.16 NO							
L0002512	0	0.10030E-02	539638.4	3754670.2	312.2	3.40	4.00
3.16 NO							
L0002513	0	0.10030E-02	539647.0	3754670.4	311.9	3.40	4.00
3.16 NO							
L0002514	0	0.10030E-02	539655.6	3754670.6	311.5	3.40	4.00
3.16 NO							

L0002530	0	0.10030E-02	539661.6	3754537.7	307.6	3.40	4.00
3.16 NO							
L0002531	0	0.10030E-02	539661.7	3754529.1	307.5	3.40	4.00
3.16 NO							
L0002532	0	0.10030E-02	539661.8	3754520.5	307.4	3.40	4.00
3.16 NO							
L0002533	0	0.10030E-02	539661.9	3754511.9	307.2	3.40	4.00
3.16 NO							
L0002534	0	0.10030E-02	539661.9	3754503.3	307.0	3.40	4.00
3.16 NO							
L0002535	0	0.10030E-02	539662.0	3754494.7	306.8	3.40	4.00
3.16 NO							
L0002536	0	0.10030E-02	539662.1	3754486.1	306.6	3.40	4.00
3.16 NO							
L0002537	0	0.10030E-02	539662.2	3754477.5	306.4	3.40	4.00
3.16 NO							
L0002538	0	0.10030E-02	539662.3	3754468.9	306.2	3.40	4.00
3.16 NO							
L0002539	0	0.10030E-02	539662.4	3754460.3	306.0	3.40	4.00
3.16 NO							
L0002540	0	0.10030E-02	539662.5	3754451.7	305.9	3.40	4.00
3.16 NO							
L0002541	0	0.10030E-02	539662.6	3754443.1	305.7	3.40	4.00
3.16 NO							
L0002542	0	0.10030E-02	539662.7	3754434.5	305.4	3.40	4.00
3.16 NO							
L0002543	0	0.10030E-02	539662.8	3754425.9	305.1	3.40	4.00
3.16 NO							
L0002544	0	0.10030E-02	539662.8	3754417.3	304.9	3.40	4.00
3.16 NO							
L0002545	0	0.10030E-02	539662.9	3754408.7	304.9	3.40	4.00
3.16 NO							
L0002546	0	0.10030E-02	539663.0	3754400.1	305.0	3.40	4.00
3.16 NO							
L0002547	0	0.10030E-02	539663.1	3754391.5	305.3	3.40	4.00
3.16 NO							
L0002548	0	0.10030E-02	539663.2	3754382.9	305.5	3.40	4.00
3.16 NO							
L0002549	0	0.10030E-02	539663.3	3754374.3	305.7	3.40	4.00
3.16 NO							
L0002550	0	0.10030E-02	539663.4	3754365.7	305.8	3.40	4.00
3.16 NO							
L0002551	0	0.10030E-02	539663.5	3754357.1	305.8	3.40	4.00
3.16 NO							
L0002552	0	0.10030E-02	539663.6	3754348.5	305.6	3.40	4.00
3.16 NO							
L0002553	0	0.10030E-02	539663.6	3754339.9	305.0	3.40	4.00
3.16 NO							
L0002554	0	0.10030E-02	539663.7	3754331.3	304.1	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 16

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0002555		0	0.10030E-02	539663.8	3754322.7	303.1	3.40	4.00
3.16	NO							
L0002556		0	0.10030E-02	539663.9	3754314.1	302.1	3.40	4.00
3.16	NO							
L0002557		0	0.10030E-02	539664.0	3754305.5	301.2	3.40	4.00
3.16	NO							
L0002558		0	0.10030E-02	539664.1	3754296.9	300.4	3.40	4.00
3.16	NO							
L0002559		0	0.10030E-02	539664.2	3754288.3	299.6	3.40	4.00
3.16	NO							
L0002560		0	0.10030E-02	539664.3	3754279.7	299.4	3.40	4.00
3.16	NO							
L0002561		0	0.10030E-02	539664.4	3754271.1	299.4	3.40	4.00
3.16	NO							
L0002562		0	0.10030E-02	539664.5	3754262.5	299.3	3.40	4.00
3.16	NO							
L0002563		0	0.10030E-02	539664.5	3754253.9	299.0	3.40	4.00
3.16	NO							
L0002564		0	0.10030E-02	539664.6	3754245.3	298.4	3.40	4.00
3.16	NO							
L0002565		0	0.10030E-02	539664.7	3754236.7	297.8	3.40	4.00
3.16	NO							
L0002566		0	0.10030E-02	539664.8	3754228.1	297.1	3.40	4.00
3.16	NO							
L0002567		0	0.10030E-02	539664.9	3754219.5	296.4	3.40	4.00
3.16	NO							
L0002568		0	0.10030E-02	539665.0	3754210.9	295.8	3.40	4.00
3.16	NO							
L0002569		0	0.10030E-02	539665.1	3754202.3	295.2	3.40	4.00
3.16	NO							

L0002570	0	0.10030E-02	539665.2	3754193.7	294.7	3.40	4.00
3.16 NO							
L0002571	0	0.10030E-02	539665.3	3754185.1	294.3	3.40	4.00
3.16 NO							
L0002572	0	0.10030E-02	539665.4	3754176.5	294.2	3.40	4.00
3.16 NO							
L0002573	0	0.10030E-02	539665.4	3754167.9	294.0	3.40	4.00
3.16 NO							
L0002574	0	0.10030E-02	539665.5	3754159.3	293.7	3.40	4.00
3.16 NO							
L0002575	0	0.10030E-02	539665.6	3754150.7	293.4	3.40	4.00
3.16 NO							
L0002576	0	0.10030E-02	539665.7	3754142.1	292.9	3.40	4.00
3.16 NO							
L0002577	0	0.10030E-02	539665.8	3754133.5	292.4	3.40	4.00
3.16 NO							
L0002578	0	0.10030E-02	539665.9	3754124.9	291.8	3.40	4.00
3.16 NO							
L0002579	0	0.10030E-02	539666.0	3754116.3	291.3	3.40	4.00
3.16 NO							
L0002580	0	0.10030E-02	539666.1	3754107.7	290.7	3.40	4.00
3.16 NO							
L0002581	0	0.10030E-02	539666.2	3754099.1	290.2	3.40	4.00
3.16 NO							
L0002582	0	0.10030E-02	539666.3	3754090.5	289.6	3.40	4.00
3.16 NO							
L0002583	0	0.10030E-02	539666.3	3754081.9	289.2	3.40	4.00
3.16 NO							
L0002584	0	0.10030E-02	539666.4	3754073.3	288.9	3.40	4.00
3.16 NO							
L0002585	0	0.10030E-02	539666.5	3754064.7	288.5	3.40	4.00
3.16 NO							
L0002586	0	0.10030E-02	539666.6	3754056.1	288.1	3.40	4.00
3.16 NO							
L0002587	0	0.10030E-02	539666.7	3754047.5	287.8	3.40	4.00
3.16 NO							
L0002588	0	0.10030E-02	539666.8	3754038.9	287.4	3.40	4.00
3.16 NO							
L0002589	0	0.10030E-02	539666.9	3754030.3	287.0	3.40	4.00
3.16 NO							
L0002590	0	0.10030E-02	539667.0	3754021.7	286.8	3.40	4.00
3.16 NO							
L0002591	0	0.10030E-02	539667.1	3754013.1	286.4	3.40	4.00
3.16 NO							
L0002592	0	0.10030E-02	539667.1	3754004.5	286.2	3.40	4.00
3.16 NO							
L0002593	0	0.10030E-02	539667.2	3753995.9	285.8	3.40	4.00
3.16 NO							
L0002594	0	0.10030E-02	539667.3	3753987.3	285.5	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 17

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0002595		0	0.10030E-02	539667.4	3753978.7	285.2	3.40	4.00
3.16	NO							
L0002596		0	0.10030E-02	539667.5	3753970.1	285.0	3.40	4.00
3.16	NO							
L0002597		0	0.10030E-02	539667.6	3753961.5	284.8	3.40	4.00
3.16	NO							
L0002598		0	0.10030E-02	539667.7	3753952.9	284.4	3.40	4.00
3.16	NO							
L0002599		0	0.10030E-02	539667.8	3753944.3	284.1	3.40	4.00
3.16	NO							
L0002600		0	0.10030E-02	539661.6	3753941.8	284.2	3.40	4.00
3.16	NO							
L0002601		0	0.10030E-02	539653.0	3753941.6	284.5	3.40	4.00
3.16	NO							
L0002602		0	0.10030E-02	539644.4	3753941.4	284.7	3.40	4.00
3.16	NO							
L0002603		0	0.10030E-02	539635.8	3753941.3	284.9	3.40	4.00
3.16	NO							
L0002604		0	0.10030E-02	539627.2	3753941.1	285.2	3.40	4.00
3.16	NO							
L0002605		0	0.10030E-02	539618.6	3753940.9	285.4	3.40	4.00
3.16	NO							
L0002606		0	0.10030E-02	539610.0	3753940.7	285.7	3.40	4.00
3.16	NO							
L0002607		0	0.10030E-02	539601.4	3753940.6	285.9	3.40	4.00
3.16	NO							
L0002608		0	0.10030E-02	539592.8	3753940.4	286.1	3.40	4.00
3.16	NO							
L0002609		0	0.10030E-02	539584.2	3753940.2	286.3	3.40	4.00
3.16	NO							

L0002610	0	0.10030E-02	539575.6	3753940.1	286.6	3.40	4.00
3.16 NO							
L0002611	0	0.10030E-02	539567.0	3753939.9	286.8	3.40	4.00
3.16 NO							
L0002612	0	0.10030E-02	539558.4	3753939.7	287.0	3.40	4.00
3.16 NO							
L0002613	0	0.10030E-02	539549.8	3753939.6	287.2	3.40	4.00
3.16 NO							
L0002614	0	0.10030E-02	539541.2	3753939.4	287.5	3.40	4.00
3.16 NO							
L0002615	0	0.10030E-02	539538.4	3753945.2	287.7	3.40	4.00
3.16 NO							
L0002616	0	0.10030E-02	539538.3	3753953.8	287.9	3.40	4.00
3.16 NO							
L0002617	0	0.10030E-02	539538.2	3753962.4	288.2	3.40	4.00
3.16 NO							
L0002618	0	0.10030E-02	539538.1	3753971.0	288.5	3.40	4.00
3.16 NO							
L0002619	0	0.10030E-02	539538.0	3753979.6	288.8	3.40	4.00
3.16 NO							
L0002620	0	0.10030E-02	539537.9	3753988.2	289.1	3.40	4.00
3.16 NO							
L0002621	0	0.10030E-02	539537.8	3753996.8	289.3	3.40	4.00
3.16 NO							
L0002622	0	0.10030E-02	539537.7	3754005.4	289.6	3.40	4.00
3.16 NO							
L0002623	0	0.10030E-02	539537.5	3754014.0	289.9	3.40	4.00
3.16 NO							
L0002624	0	0.10030E-02	539537.4	3754022.6	290.3	3.40	4.00
3.16 NO							
L0002625	0	0.10030E-02	539537.3	3754031.2	290.6	3.40	4.00
3.16 NO							
L0002626	0	0.10030E-02	539540.0	3754038.8	290.8	3.40	4.00
3.16 NO							
L0002627	0	0.10030E-02	539545.7	3754045.2	290.9	3.40	4.00
3.16 NO							
L0002628	0	0.10030E-02	539551.3	3754051.7	290.9	3.40	4.00
3.16 NO							
L0002629	0	0.10030E-02	539557.0	3754058.2	291.0	3.40	4.00
3.16 NO							
L0002630	0	0.10030E-02	539562.7	3754064.6	291.0	3.40	4.00
3.16 NO							
L0002631	0	0.10030E-02	539568.4	3754071.1	291.1	3.40	4.00
3.16 NO							
L0002632	0	0.10030E-02	539574.0	3754077.6	291.1	3.40	4.00
3.16 NO							
L0002633	0	0.10030E-02	539579.7	3754084.0	291.2	3.40	4.00
3.16 NO							
L0002634	0	0.10030E-02	539582.8	3754091.4	291.3	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 18

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002635		0	0.10030E-02	539582.6	3754100.0	291.6	3.40	4.00
3.16	NO							
L0002636		0	0.10030E-02	539582.3	3754108.6	291.8	3.40	4.00
3.16	NO							
L0002637		0	0.10030E-02	539582.1	3754117.2	292.0	3.40	4.00
3.16	NO							
L0002638		0	0.10030E-02	539581.9	3754125.8	292.2	3.40	4.00
3.16	NO							
L0002639		0	0.10030E-02	539581.6	3754134.4	292.4	3.40	4.00
3.16	NO							
L0002640		0	0.10030E-02	539581.4	3754143.0	292.8	3.40	4.00
3.16	NO							
L0002641		0	0.10030E-02	539581.2	3754151.6	293.1	3.40	4.00
3.16	NO							
L0002642		0	0.10030E-02	539581.0	3754160.2	293.4	3.40	4.00
3.16	NO							
L0002643		0	0.10030E-02	539580.7	3754168.8	293.7	3.40	4.00
3.16	NO							
L0002644		0	0.10030E-02	539580.5	3754177.4	294.1	3.40	4.00
3.16	NO							
L0002645		0	0.10030E-02	539580.3	3754186.0	294.5	3.40	4.00
3.16	NO							
L0002646		0	0.10030E-02	539580.0	3754194.6	295.0	3.40	4.00
3.16	NO							
L0002647		0	0.10030E-02	539579.8	3754203.2	295.5	3.40	4.00
3.16	NO							
L0002648		0	0.10030E-02	539579.6	3754211.8	296.0	3.40	4.00
3.16	NO							
L0002649		0	0.10030E-02	539579.4	3754220.4	296.7	3.40	4.00
3.16	NO							

L0002650	0	0.10030E-02	539579.1	3754229.0	297.2	3.40	4.00
3.16 NO							
L0002651	0	0.10030E-02	539578.9	3754237.6	297.6	3.40	4.00
3.16 NO							
L0002652	0	0.10030E-02	539578.7	3754246.2	297.9	3.40	4.00
3.16 NO							
L0002653	0	0.10030E-02	539578.4	3754254.8	298.2	3.40	4.00
3.16 NO							
L0002654	0	0.10030E-02	539578.2	3754263.4	298.5	3.40	4.00
3.16 NO							
L0002655	0	0.10030E-02	539578.0	3754272.0	298.8	3.40	4.00
3.16 NO							
L0002656	0	0.10030E-02	539577.8	3754280.6	299.2	3.40	4.00
3.16 NO							
L0002657	0	0.10030E-02	539577.5	3754289.2	299.5	3.40	4.00
3.16 NO							
L0002658	0	0.10030E-02	539577.3	3754297.8	300.1	3.40	4.00
3.16 NO							
L0002659	0	0.10030E-02	539577.1	3754306.3	300.9	3.40	4.00
3.16 NO							
L0002660	0	0.10030E-02	539576.8	3754314.9	301.9	3.40	4.00
3.16 NO							
L0002661	0	0.10030E-02	539576.6	3754323.5	302.9	3.40	4.00
3.16 NO							
L0002662	0	0.10030E-02	539576.4	3754332.1	303.8	3.40	4.00
3.16 NO							
L0002663	0	0.10030E-02	539576.2	3754340.7	304.5	3.40	4.00
3.16 NO							
L0002664	0	0.10030E-02	539575.9	3754349.3	305.0	3.40	4.00
3.16 NO							
L0002665	0	0.10030E-02	539575.7	3754357.9	305.4	3.40	4.00
3.16 NO							
L0002666	0	0.10030E-02	539575.5	3754366.5	305.7	3.40	4.00
3.16 NO							
L0002667	0	0.10030E-02	539575.3	3754375.1	305.9	3.40	4.00
3.16 NO							
L0002668	0	0.10030E-02	539575.0	3754383.7	306.2	3.40	4.00
3.16 NO							
L0002669	0	0.10030E-02	539574.8	3754392.3	306.4	3.40	4.00
3.16 NO							
L0002670	0	0.10030E-02	539574.6	3754400.9	306.6	3.40	4.00
3.16 NO							
L0002671	0	0.10030E-02	539574.3	3754409.5	306.8	3.40	4.00
3.16 NO							
L0002672	0	0.10030E-02	539574.1	3754418.1	306.9	3.40	4.00
3.16 NO							
L0002673	0	0.10030E-02	539573.9	3754426.7	307.0	3.40	4.00
3.16 NO							
L0002674	0	0.10030E-02	539573.7	3754435.3	307.2	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 19

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0002675		0	0.10030E-02	539573.4	3754443.9	307.3	3.40	4.00
3.16	NO							
L0002676		0	0.10030E-02	539573.2	3754452.5	307.5	3.40	4.00
3.16	NO							
L0002677		0	0.10030E-02	539573.0	3754461.1	307.7	3.40	4.00
3.16	NO							
L0002678		0	0.10030E-02	539572.7	3754469.7	307.9	3.40	4.00
3.16	NO							
L0002679		0	0.10030E-02	539572.5	3754478.3	308.1	3.40	4.00
3.16	NO							
L0002680		0	0.10030E-02	539572.3	3754486.9	308.3	3.40	4.00
3.16	NO							
L0002681		0	0.10030E-02	539572.1	3754495.5	308.6	3.40	4.00
3.16	NO							
L0002682		0	0.10030E-02	539571.8	3754504.1	308.8	3.40	4.00
3.16	NO							
L0002683		0	0.10030E-02	539571.6	3754512.7	309.0	3.40	4.00
3.16	NO							
L0002684		0	0.10030E-02	539568.4	3754519.8	309.3	3.40	4.00
3.16	NO							
L0002685		0	0.10030E-02	539561.7	3754525.2	309.5	3.40	4.00
3.16	NO							
L0002686		0	0.10030E-02	539554.9	3754530.5	309.8	3.40	4.00
3.16	NO							
L0002687		0	0.10030E-02	539548.2	3754535.9	310.0	3.40	4.00
3.16	NO							
L0002688		0	0.10030E-02	539541.5	3754541.3	310.2	3.40	4.00
3.16	NO							
L0002689		0	0.10030E-02	539534.8	3754546.6	310.4	3.40	4.00
3.16	NO							

L0002690	0	0.10030E-02	539533.3	3754554.6	310.6	3.40	4.00
3.16 NO							
L0002691	0	0.10030E-02	539533.1	3754563.2	310.9	3.40	4.00
3.16 NO							
L0002692	0	0.10030E-02	539532.8	3754571.8	311.1	3.40	4.00
3.16 NO							
L0002693	0	0.10030E-02	539532.6	3754580.4	311.3	3.40	4.00
3.16 NO							
L0002694	0	0.10030E-02	539532.4	3754589.0	311.5	3.40	4.00
3.16 NO							
L0002695	0	0.10030E-02	539532.2	3754597.6	311.7	3.40	4.00
3.16 NO							
L0002696	0	0.10030E-02	539531.9	3754606.2	312.1	3.40	4.00
3.16 NO							
L0002697	0	0.10030E-02	539531.7	3754614.8	312.4	3.40	4.00
3.16 NO							
L0002698	0	0.10030E-02	539531.5	3754623.4	312.7	3.40	4.00
3.16 NO							
L0002699	0	0.10030E-02	539531.3	3754632.0	313.0	3.40	4.00
3.16 NO							
L0002700	0	0.10030E-02	539531.0	3754640.6	313.2	3.40	4.00
3.16 NO							
L0002701	0	0.10030E-02	539534.8	3754645.4	313.3	3.40	4.00
3.16 NO							
L0002702	0	0.10030E-02	539543.4	3754645.5	313.0	3.40	4.00
3.16 NO							
L0002703	0	0.10030E-02	539552.0	3754645.6	312.7	3.40	4.00
3.16 NO							
L0002704	0	0.10030E-02	539560.6	3754645.7	312.4	3.40	4.00
3.16 NO							
L0002705	0	0.10030E-02	539569.2	3754645.8	312.1	3.40	4.00
3.16 NO							
L0002706	0	0.10030E-02	539577.8	3754645.9	311.7	3.40	4.00
3.16 NO							
L0002707	0	0.10030E-02	539586.4	3754646.0	311.4	3.40	4.00
3.16 NO							
L0002708	0	0.10030E-02	539595.0	3754646.1	311.2	3.40	4.00
3.16 NO							
L0002709	0	0.10030E-02	539603.6	3754646.2	311.2	3.40	4.00
3.16 NO							
L0002710	0	0.10030E-02	539612.2	3754646.3	311.3	3.40	4.00
3.16 NO							
L0002711	0	0.10030E-02	539620.8	3754646.4	311.5	3.40	4.00
3.16 NO							
L0002712	0	0.10030E-02	539629.4	3754646.5	311.7	3.40	4.00
3.16 NO							
L0002713	0	0.10030E-02	539637.4	3754646.0	311.8	3.40	4.00
3.16 NO							
L0002714	0	0.10030E-02	539637.5	3754637.4	311.5	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 20

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0002715		0	0.10030E-02	539637.6	3754628.8	311.2	3.40	4.00
3.16	NO							
L0002716		0	0.10030E-02	539637.7	3754620.2	310.8	3.40	4.00
3.16	NO							
L0002717		0	0.10030E-02	539637.8	3754611.6	310.5	3.40	4.00
3.16	NO							
L0002718		0	0.10030E-02	539638.0	3754603.0	310.1	3.40	4.00
3.16	NO							
L0002719		0	0.10030E-02	539638.1	3754594.4	309.8	3.40	4.00
3.16	NO							
L0002720		0	0.10030E-02	539638.2	3754585.8	309.6	3.40	4.00
3.16	NO							
L0002721		0	0.10030E-02	539638.3	3754577.2	309.4	3.40	4.00
3.16	NO							
L0002722		0	0.10030E-02	539638.4	3754568.6	309.2	3.40	4.00
3.16	NO							
L0002723		0	0.10030E-02	539638.5	3754560.0	308.9	3.40	4.00
3.16	NO							
L0002724		0	0.10030E-02	539638.6	3754551.4	308.7	3.40	4.00
3.16	NO							
L0002725		0	0.10030E-02	539638.7	3754542.8	308.4	3.40	4.00
3.16	NO							
L0002726		0	0.10030E-02	539638.9	3754534.2	308.2	3.40	4.00
3.16	NO							
L0002727		0	0.10030E-02	539639.0	3754525.6	308.0	3.40	4.00
3.16	NO							
L0002728		0	0.10030E-02	539639.1	3754517.0	307.8	3.40	4.00
3.16	NO							
L0002729		0	0.10030E-02	539639.2	3754508.4	307.6	3.40	4.00
3.16	NO							

L0002730	0	0.10030E-02	539639.3	3754499.8	307.4	3.40	4.00
3.16 NO							
L0002731	0	0.10030E-02	539639.4	3754491.2	307.2	3.40	4.00
3.16 NO							
L0002732	0	0.10030E-02	539639.5	3754482.6	307.1	3.40	4.00
3.16 NO							
L0002733	0	0.10030E-02	539639.6	3754474.0	306.9	3.40	4.00
3.16 NO							
L0002734	0	0.10030E-02	539639.8	3754465.4	306.6	3.40	4.00
3.16 NO							
L0002735	0	0.10030E-02	539639.9	3754456.8	306.4	3.40	4.00
3.16 NO							
L0002736	0	0.10030E-02	539640.0	3754448.2	306.2	3.40	4.00
3.16 NO							
L0002737	0	0.10030E-02	539640.1	3754439.6	306.0	3.40	4.00
3.16 NO							
L0002738	0	0.10030E-02	539640.2	3754431.0	305.9	3.40	4.00
3.16 NO							
L0002739	0	0.10030E-02	539640.3	3754422.4	305.8	3.40	4.00
3.16 NO							
L0002740	0	0.10030E-02	539640.4	3754413.8	305.7	3.40	4.00
3.16 NO							
L0002741	0	0.10030E-02	539640.5	3754405.2	305.7	3.40	4.00
3.16 NO							
L0002742	0	0.10030E-02	539640.7	3754396.6	305.8	3.40	4.00
3.16 NO							
L0002743	0	0.10030E-02	539640.8	3754388.0	306.0	3.40	4.00
3.16 NO							
L0002744	0	0.10030E-02	539640.9	3754379.4	306.1	3.40	4.00
3.16 NO							
L0002745	0	0.10030E-02	539641.0	3754370.8	306.1	3.40	4.00
3.16 NO							
L0002746	0	0.10030E-02	539641.1	3754362.2	305.9	3.40	4.00
3.16 NO							
L0002747	0	0.10030E-02	539641.2	3754353.6	305.7	3.40	4.00
3.16 NO							
L0002748	0	0.10030E-02	539641.3	3754345.0	305.3	3.40	4.00
3.16 NO							
L0002749	0	0.10030E-02	539641.4	3754336.4	304.6	3.40	4.00
3.16 NO							
L0002750	0	0.10030E-02	539641.6	3754327.8	303.9	3.40	4.00
3.16 NO							
L0002751	0	0.10030E-02	539641.7	3754319.2	303.1	3.40	4.00
3.16 NO							
L0002752	0	0.10030E-02	539641.8	3754310.6	302.1	3.40	4.00
3.16 NO							
L0002753	0	0.10030E-02	539641.9	3754302.0	301.4	3.40	4.00
3.16 NO							
L0002754	0	0.10030E-02	539642.0	3754293.4	300.9	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 21

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0002755		0	0.10030E-02	539642.1	3754284.8	300.6	3.40	4.00
3.16	NO							
L0002756		0	0.10030E-02	539642.2	3754276.2	300.3	3.40	4.00
3.16	NO							
L0002757		0	0.10030E-02	539642.3	3754267.6	299.9	3.40	4.00
3.16	NO							
L0002758		0	0.10030E-02	539642.5	3754259.0	299.5	3.40	4.00
3.16	NO							
L0002759		0	0.10030E-02	539642.6	3754250.4	299.0	3.40	4.00
3.16	NO							
L0002760		0	0.10030E-02	539642.7	3754241.8	298.3	3.40	4.00
3.16	NO							
L0002761		0	0.10030E-02	539642.8	3754233.2	297.7	3.40	4.00
3.16	NO							
L0002762		0	0.10030E-02	539642.9	3754224.6	297.0	3.40	4.00
3.16	NO							
L0002763		0	0.10030E-02	539643.0	3754216.0	296.1	3.40	4.00
3.16	NO							
L0002764		0	0.10030E-02	539643.1	3754207.4	295.5	3.40	4.00
3.16	NO							
L0002765		0	0.10030E-02	539643.2	3754198.8	295.1	3.40	4.00
3.16	NO							
L0002766		0	0.10030E-02	539643.4	3754190.2	294.8	3.40	4.00
3.16	NO							
L0002767		0	0.10030E-02	539643.5	3754181.6	294.4	3.40	4.00
3.16	NO							
L0002768		0	0.10030E-02	539643.6	3754173.0	294.0	3.40	4.00
3.16	NO							
L0002769		0	0.10030E-02	539643.7	3754164.4	293.6	3.40	4.00
3.16	NO							

L0002770	0	0.10030E-02	539643.8	3754155.8	293.2	3.40	4.00
3.16 NO							
L0002771	0	0.10030E-02	539643.9	3754147.2	293.0	3.40	4.00
3.16 NO							
L0002772	0	0.10030E-02	539644.0	3754138.6	292.7	3.40	4.00
3.16 NO							
L0002773	0	0.10030E-02	539644.1	3754130.0	292.3	3.40	4.00
3.16 NO							
L0002774	0	0.10030E-02	539644.3	3754121.4	291.8	3.40	4.00
3.16 NO							
L0002775	0	0.10030E-02	539644.4	3754112.8	291.4	3.40	4.00
3.16 NO							
L0002776	0	0.10030E-02	539644.5	3754104.2	290.9	3.40	4.00
3.16 NO							
L0002777	0	0.10030E-02	539644.6	3754095.6	290.3	3.40	4.00
3.16 NO							
L0002778	0	0.10030E-02	539644.7	3754087.0	289.9	3.40	4.00
3.16 NO							
L0002779	0	0.10030E-02	539644.8	3754078.4	289.5	3.40	4.00
3.16 NO							
L0002780	0	0.10030E-02	539644.9	3754069.8	289.1	3.40	4.00
3.16 NO							
L0002781	0	0.10030E-02	539645.0	3754061.2	288.8	3.40	4.00
3.16 NO							
L0002782	0	0.10030E-02	539645.2	3754052.6	288.5	3.40	4.00
3.16 NO							
L0002783	0	0.10030E-02	539645.3	3754044.0	288.1	3.40	4.00
3.16 NO							
L0002784	0	0.10030E-02	539645.4	3754035.4	287.8	3.40	4.00
3.16 NO							
L0002785	0	0.10030E-02	539645.5	3754026.8	287.4	3.40	4.00
3.16 NO							
L0002786	0	0.10030E-02	539645.6	3754018.3	287.1	3.40	4.00
3.16 NO							
L0002787	0	0.10030E-02	539645.7	3754009.7	286.8	3.40	4.00
3.16 NO							
L0002788	0	0.10030E-02	539645.8	3754001.1	286.4	3.40	4.00
3.16 NO							
L0002789	0	0.10030E-02	539645.9	3753992.5	286.1	3.40	4.00
3.16 NO							
L0002790	0	0.10030E-02	539646.1	3753983.9	285.9	3.40	4.00
3.16 NO							
L0002791	0	0.10030E-02	539646.2	3753975.3	285.7	3.40	4.00
3.16 NO							
L0002792	0	0.10030E-02	539644.4	3753968.4	285.5	3.40	4.00
3.16 NO							
L0002793	0	0.10030E-02	539635.8	3753967.9	285.7	3.40	4.00
3.16 NO							
L0002794	0	0.10030E-02	539627.2	3753967.5	285.9	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 22

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.						
(METERS)		BY						
L0002795		0	0.10030E-02	539618.7	3753967.0	286.1	3.40	4.00
3.16	NO							
L0002796		0	0.10030E-02	539610.1	3753966.5	286.3	3.40	4.00
3.16	NO							
L0002797		0	0.10030E-02	539601.5	3753966.1	286.6	3.40	4.00
3.16	NO							
L0002798		0	0.10030E-02	539592.9	3753965.6	286.8	3.40	4.00
3.16	NO							
L0002799		0	0.10030E-02	539584.3	3753965.1	287.1	3.40	4.00
3.16	NO							
L0002800		0	0.10030E-02	539575.7	3753964.7	287.3	3.40	4.00
3.16	NO							
L0002801		0	0.10030E-02	539567.1	3753964.2	287.5	3.40	4.00
3.16	NO							
L0002802		0	0.10030E-02	539558.5	3753963.8	287.8	3.40	4.00
3.16	NO							
L0002803		0	0.10030E-02	539552.5	3753965.9	288.0	3.40	4.00
3.16	NO							
L0002804		0	0.10030E-02	539552.7	3753974.5	288.2	3.40	4.00
3.16	NO							
L0002805		0	0.10030E-02	539552.9	3753983.1	288.4	3.40	4.00
3.16	NO							
L0002806		0	0.10030E-02	539553.1	3753991.7	288.7	3.40	4.00
3.16	NO							
L0002807		0	0.10030E-02	539553.2	3754000.3	288.9	3.40	4.00
3.16	NO							
L0002808		0	0.10030E-02	539553.4	3754008.9	289.2	3.40	4.00
3.16	NO							
L0002809		0	0.10030E-02	539553.6	3754017.5	289.6	3.40	4.00
3.16	NO							

L0002810	0	0.10030E-02	539555.0	3754025.6	289.8	3.40	4.00
3.16 NO							
L0002811	0	0.10030E-02	539561.0	3754031.8	289.8	3.40	4.00
3.16 NO							
L0002812	0	0.10030E-02	539566.9	3754038.0	289.9	3.40	4.00
3.16 NO							
L0002813	0	0.10030E-02	539572.9	3754044.2	289.9	3.40	4.00
3.16 NO							
L0002814	0	0.10030E-02	539578.8	3754050.5	289.9	3.40	4.00
3.16 NO							
L0002815	0	0.10030E-02	539584.8	3754056.7	290.0	3.40	4.00
3.16 NO							
L0002816	0	0.10030E-02	539590.7	3754062.9	290.1	3.40	4.00
3.16 NO							
L0002817	0	0.10030E-02	539596.7	3754069.1	290.2	3.40	4.00
3.16 NO							
L0002818	0	0.10030E-02	539602.6	3754075.3	290.2	3.40	4.00
3.16 NO							
L0002819	0	0.10030E-02	539608.6	3754081.5	290.4	3.40	4.00
3.16 NO							
L0002820	0	0.10030E-02	539610.6	3754089.2	290.7	3.40	4.00
3.16 NO							
L0002821	0	0.10030E-02	539610.2	3754097.8	291.0	3.40	4.00
3.16 NO							
L0002822	0	0.10030E-02	539609.9	3754106.4	291.3	3.40	4.00
3.16 NO							
L0002823	0	0.10030E-02	539609.5	3754115.0	291.6	3.40	4.00
3.16 NO							
L0002824	0	0.10030E-02	539609.2	3754123.6	291.8	3.40	4.00
3.16 NO							
L0002825	0	0.10030E-02	539608.9	3754132.2	292.1	3.40	4.00
3.16 NO							
L0002826	0	0.10030E-02	539608.5	3754140.8	292.3	3.40	4.00
3.16 NO							
L0002827	0	0.10030E-02	539608.2	3754149.4	292.6	3.40	4.00
3.16 NO							
L0002828	0	0.10030E-02	539607.8	3754158.0	292.9	3.40	4.00
3.16 NO							
L0002829	0	0.10030E-02	539607.5	3754166.6	293.1	3.40	4.00
3.16 NO							
L0002830	0	0.10030E-02	539607.2	3754175.2	293.4	3.40	4.00
3.16 NO							
L0002831	0	0.10030E-02	539606.8	3754183.8	293.9	3.40	4.00
3.16 NO							
L0002832	0	0.10030E-02	539606.5	3754192.3	294.5	3.40	4.00
3.16 NO							
L0002833	0	0.10030E-02	539606.1	3754200.9	295.1	3.40	4.00
3.16 NO							
L0002834	0	0.10030E-02	539605.8	3754209.5	295.8	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 23

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.		BY				
(METERS)								
L0002835		0	0.10030E-02		539605.5	3754218.1	296.4	4.00
3.16	NO							
L0002836		0	0.10030E-02		539605.1	3754226.7	297.0	4.00
3.16	NO							
L0002837		0	0.10030E-02		539604.8	3754235.3	297.6	4.00
3.16	NO							
L0002838		0	0.10030E-02		539604.4	3754243.9	298.0	4.00
3.16	NO							
L0002839		0	0.10030E-02		539604.1	3754252.5	298.3	4.00
3.16	NO							
L0002840		0	0.10030E-02		539603.8	3754261.1	298.7	4.00
3.16	NO							
L0002841		0	0.10030E-02		539603.4	3754269.7	299.1	4.00
3.16	NO							
L0002842		0	0.10030E-02		539603.1	3754278.3	299.4	4.00
3.16	NO							
L0002843		0	0.10030E-02		539602.7	3754286.9	299.9	4.00
3.16	NO							
L0002844		0	0.10030E-02		539602.4	3754295.5	300.4	4.00
3.16	NO							
L0002845		0	0.10030E-02		539602.1	3754304.1	300.9	4.00
3.16	NO							
L0002846		0	0.10030E-02		539601.7	3754312.6	301.6	4.00
3.16	NO							
L0002847		0	0.10030E-02		539601.4	3754321.2	302.5	4.00
3.16	NO							
L0002848		0	0.10030E-02		539601.0	3754329.8	303.4	4.00
3.16	NO							
L0002849		0	0.10030E-02		539600.7	3754338.4	304.0	4.00
3.16	NO							

L0002850	0	0.10030E-02	539600.4	3754347.0	304.7	3.40	4.00
3.16 NO							
L0002851	0	0.10030E-02	539600.0	3754355.6	305.3	3.40	4.00
3.16 NO							
L0002852	0	0.10030E-02	539599.7	3754364.2	305.7	3.40	4.00
3.16 NO							
L0002853	0	0.10030E-02	539599.3	3754372.8	305.9	3.40	4.00
3.16 NO							
L0002854	0	0.10030E-02	539599.0	3754381.4	306.1	3.40	4.00
3.16 NO							
L0002855	0	0.10030E-02	539598.7	3754390.0	306.3	3.40	4.00
3.16 NO							
L0002856	0	0.10030E-02	539598.3	3754398.6	306.4	3.40	4.00
3.16 NO							
L0002857	0	0.10030E-02	539598.0	3754407.2	306.5	3.40	4.00
3.16 NO							
L0002858	0	0.10030E-02	539597.6	3754415.8	306.6	3.40	4.00
3.16 NO							
L0002859	0	0.10030E-02	539597.3	3754424.4	306.7	3.40	4.00
3.16 NO							
L0002860	0	0.10030E-02	539597.0	3754433.0	306.8	3.40	4.00
3.16 NO							
L0002861	0	0.10030E-02	539596.6	3754441.5	306.9	3.40	4.00
3.16 NO							
L0002862	0	0.10030E-02	539596.3	3754450.1	307.1	3.40	4.00
3.16 NO							
L0002863	0	0.10030E-02	539595.9	3754458.7	307.3	3.40	4.00
3.16 NO							
L0002864	0	0.10030E-02	539595.6	3754467.3	307.5	3.40	4.00
3.16 NO							
L0002865	0	0.10030E-02	539595.3	3754475.9	307.7	3.40	4.00
3.16 NO							
L0002866	0	0.10030E-02	539594.9	3754484.5	307.9	3.40	4.00
3.16 NO							
L0002867	0	0.10030E-02	539594.6	3754493.1	308.1	3.40	4.00
3.16 NO							
L0002868	0	0.10030E-02	539594.2	3754501.7	308.3	3.40	4.00
3.16 NO							
L0002869	0	0.10030E-02	539593.9	3754510.3	308.4	3.40	4.00
3.16 NO							
L0002870	0	0.10030E-02	539593.6	3754518.9	308.6	3.40	4.00
3.16 NO							
L0002871	0	0.10030E-02	539593.2	3754527.5	308.8	3.40	4.00
3.16 NO							
L0002872	0	0.10030E-02	539590.4	3754534.9	309.1	3.40	4.00
3.16 NO							
L0002873	0	0.10030E-02	539584.0	3754540.7	309.3	3.40	4.00
3.16 NO							
L0002874	0	0.10030E-02	539577.6	3754546.4	309.6	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 24

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002875		0	0.10030E-02	539571.2	3754552.2	309.9	3.40	4.00
3.16	NO							
L0002876		0	0.10030E-02	539564.8	3754558.0	310.2	3.40	4.00
3.16	NO							
L0002877		0	0.10030E-02	539558.5	3754563.7	310.4	3.40	4.00
3.16	NO							
L0002878		0	0.10030E-02	539553.5	3754570.2	310.7	3.40	4.00
3.16	NO							
L0002879		0	0.10030E-02	539552.8	3754578.8	310.9	3.40	4.00
3.16	NO							
L0002880		0	0.10030E-02	539552.0	3754587.3	311.1	3.40	4.00
3.16	NO							
L0002881		0	0.10030E-02	539551.2	3754595.9	311.3	3.40	4.00
3.16	NO							
L0002882		0	0.10030E-02	539550.4	3754604.5	311.6	3.40	4.00
3.16	NO							
L0002883		0	0.10030E-02	539549.6	3754613.0	311.8	3.40	4.00
3.16	NO							
L0002884		0	0.10030E-02	539548.9	3754621.6	312.1	3.40	4.00
3.16	NO							
L0002885		0	0.10030E-02	539555.1	3754623.8	312.0	3.40	4.00
3.16	NO							
L0002886		0	0.10030E-02	539563.7	3754623.8	311.7	3.40	4.00
3.16	NO							
L0002887		0	0.10030E-02	539572.3	3754623.8	311.5	3.40	4.00
3.16	NO							
L0002888		0	0.10030E-02	539580.9	3754623.8	311.2	3.40	4.00
3.16	NO							
L0002889		0	0.10030E-02	539589.5	3754623.8	311.0	3.40	4.00
3.16	NO							

L0002890	0	0.10030E-02	539598.1	3754623.8	310.8	3.40	4.00
3.16 NO							
L0002891	0	0.10030E-02	539606.7	3754623.8	310.8	3.40	4.00
3.16 NO							
L0002892	0	0.10030E-02	539612.1	3754620.5	310.7	3.40	4.00
3.16 NO							
L0002893	0	0.10030E-02	539612.3	3754611.9	310.5	3.40	4.00
3.16 NO							
L0002894	0	0.10030E-02	539612.5	3754603.3	310.3	3.40	4.00
3.16 NO							
L0002895	0	0.10030E-02	539612.7	3754594.7	310.1	3.40	4.00
3.16 NO							
L0002896	0	0.10030E-02	539613.0	3754586.1	309.9	3.40	4.00
3.16 NO							
L0002897	0	0.10030E-02	539613.2	3754577.5	309.7	3.40	4.00
3.16 NO							
L0002898	0	0.10030E-02	539613.4	3754568.9	309.5	3.40	4.00
3.16 NO							
L0002899	0	0.10030E-02	539613.6	3754560.3	309.2	3.40	4.00
3.16 NO							
L0002900	0	0.10030E-02	539613.8	3754551.7	309.0	3.40	4.00
3.16 NO							
L0002901	0	0.10030E-02	539614.0	3754543.1	308.8	3.40	4.00
3.16 NO							
L0002902	0	0.10030E-02	539614.2	3754534.5	308.6	3.40	4.00
3.16 NO							
L0002903	0	0.10030E-02	539614.4	3754525.9	308.4	3.40	4.00
3.16 NO							
L0002904	0	0.10030E-02	539614.6	3754517.3	308.2	3.40	4.00
3.16 NO							
L0002905	0	0.10030E-02	539614.8	3754508.7	308.1	3.40	4.00
3.16 NO							
L0002906	0	0.10030E-02	539615.1	3754500.1	307.9	3.40	4.00
3.16 NO							
L0002907	0	0.10030E-02	539615.3	3754491.5	307.7	3.40	4.00
3.16 NO							
L0002908	0	0.10030E-02	539615.5	3754483.0	307.5	3.40	4.00
3.16 NO							
L0002909	0	0.10030E-02	539615.7	3754474.4	307.3	3.40	4.00
3.16 NO							
L0002910	0	0.10030E-02	539615.9	3754465.8	307.1	3.40	4.00
3.16 NO							
L0002911	0	0.10030E-02	539616.1	3754457.2	306.9	3.40	4.00
3.16 NO							
L0002912	0	0.10030E-02	539616.3	3754448.6	306.7	3.40	4.00
3.16 NO							
L0002913	0	0.10030E-02	539616.5	3754440.0	306.6	3.40	4.00
3.16 NO							
L0002914	0	0.10030E-02	539616.7	3754431.4	306.4	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 25

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002915		0	0.10030E-02	539616.9	3754422.8	306.3	3.40	4.00
3.16	NO							
L0002916		0	0.10030E-02	539617.1	3754414.2	306.3	3.40	4.00
3.16	NO							
L0002917		0	0.10030E-02	539617.4	3754405.6	306.3	3.40	4.00
3.16	NO							
L0002918		0	0.10030E-02	539617.6	3754397.0	306.3	3.40	4.00
3.16	NO							
L0002919		0	0.10030E-02	539617.8	3754388.4	306.3	3.40	4.00
3.16	NO							
L0002920		0	0.10030E-02	539618.0	3754379.8	306.2	3.40	4.00
3.16	NO							
L0002921		0	0.10030E-02	539618.2	3754371.2	305.9	3.40	4.00
3.16	NO							
L0002922		0	0.10030E-02	539618.4	3754362.6	305.7	3.40	4.00
3.16	NO							
L0002923		0	0.10030E-02	539618.6	3754354.0	305.3	3.40	4.00
3.16	NO							
L0002924		0	0.10030E-02	539618.8	3754345.4	304.8	3.40	4.00
3.16	NO							
L0002925		0	0.10030E-02	539619.0	3754336.8	304.1	3.40	4.00
3.16	NO							
L0002926		0	0.10030E-02	539619.2	3754328.2	303.5	3.40	4.00
3.16	NO							
L0002927		0	0.10030E-02	539619.5	3754319.6	302.8	3.40	4.00
3.16	NO							
L0002928		0	0.10030E-02	539619.7	3754311.0	302.2	3.40	4.00
3.16	NO							
L0002929		0	0.10030E-02	539619.9	3754302.4	301.5	3.40	4.00
3.16	NO							

L0002930	0	0.10030E-02	539620.1	3754293.8	300.9	3.40	4.00
3.16 NO							
L0002931	0	0.10030E-02	539620.3	3754285.2	300.3	3.40	4.00
3.16 NO							
L0002932	0	0.10030E-02	539620.5	3754276.6	299.7	3.40	4.00
3.16 NO							
L0002933	0	0.10030E-02	539620.7	3754268.0	299.2	3.40	4.00
3.16 NO							
L0002934	0	0.10030E-02	539620.9	3754259.4	298.9	3.40	4.00
3.16 NO							
L0002935	0	0.10030E-02	539621.1	3754250.8	298.5	3.40	4.00
3.16 NO							
L0002936	0	0.10030E-02	539621.3	3754242.2	298.1	3.40	4.00
3.16 NO							
L0002937	0	0.10030E-02	539621.6	3754233.6	297.6	3.40	4.00
3.16 NO							
L0002938	0	0.10030E-02	539621.8	3754225.0	297.1	3.40	4.00
3.16 NO							
L0002939	0	0.10030E-02	539622.0	3754216.4	296.2	3.40	4.00
3.16 NO							
L0002940	0	0.10030E-02	539622.2	3754207.8	295.6	3.40	4.00
3.16 NO							
L0002941	0	0.10030E-02	539622.4	3754199.2	295.0	3.40	4.00
3.16 NO							
L0002942	0	0.10030E-02	539622.6	3754190.6	294.4	3.40	4.00
3.16 NO							
L0002943	0	0.10030E-02	539622.8	3754182.0	293.9	3.40	4.00
3.16 NO							
L0002944	0	0.10030E-02	539623.0	3754173.4	293.4	3.40	4.00
3.16 NO							
L0002945	0	0.10030E-02	539623.2	3754164.8	293.1	3.40	4.00
3.16 NO							
L0002946	0	0.10030E-02	539623.4	3754156.2	292.8	3.40	4.00
3.16 NO							
L0002947	0	0.10030E-02	539623.6	3754147.7	292.6	3.40	4.00
3.16 NO							
L0002948	0	0.10030E-02	539623.9	3754139.1	292.3	3.40	4.00
3.16 NO							
L0002949	0	0.10030E-02	539624.1	3754130.5	292.1	3.40	4.00
3.16 NO							
L0002950	0	0.10030E-02	539624.3	3754121.9	291.8	3.40	4.00
3.16 NO							
L0002951	0	0.10030E-02	539624.5	3754113.3	291.5	3.40	4.00
3.16 NO							
L0002952	0	0.10030E-02	539624.7	3754104.7	291.1	3.40	4.00
3.16 NO							
L0002953	0	0.10030E-02	539624.9	3754096.1	290.8	3.40	4.00
3.16 NO							
L0002954	0	0.10030E-02	539625.1	3754087.5	290.4	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 26

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0002955		0	0.10030E-02	539625.3	3754078.9	290.0	3.40	4.00
3.16	NO							
L0002956		0	0.10030E-02	539625.5	3754070.3	289.6	3.40	4.00
3.16	NO							
L0002957		0	0.10030E-02	539625.7	3754061.7	289.2	3.40	4.00
3.16	NO							
L0002958		0	0.10030E-02	539626.0	3754053.1	288.8	3.40	4.00
3.16	NO							
L0002959		0	0.10030E-02	539626.2	3754044.5	288.5	3.40	4.00
3.16	NO							
L0002960		0	0.10030E-02	539626.4	3754035.9	288.2	3.40	4.00
3.16	NO							
L0002961		0	0.10030E-02	539626.6	3754027.3	287.8	3.40	4.00
3.16	NO							
L0002962		0	0.10030E-02	539626.8	3754018.7	287.4	3.40	4.00
3.16	NO							
L0002963		0	0.10030E-02	539627.0	3754010.1	287.1	3.40	4.00
3.16	NO							
L0002964		0	0.10030E-02	539627.2	3754001.5	286.8	3.40	4.00
3.16	NO							
L0002965		0	0.10030E-02	539620.0	3753999.4	286.8	3.40	4.00
3.16	NO							
L0002966		0	0.10030E-02	539611.4	3753998.6	286.9	3.40	4.00
3.16	NO							
L0002967		0	0.10030E-02	539602.9	3753997.7	287.1	3.40	4.00
3.16	NO							
L0002968		0	0.10030E-02	539594.3	3753996.8	287.4	3.40	4.00
3.16	NO							
L0002969		0	0.10030E-02	539585.8	3753995.9	287.7	3.40	4.00
3.16	NO							

L0002970	0	0.10030E-02	539578.1	3753995.7	288.0	3.40	4.00
3.16 NO							
L0002971	0	0.10030E-02	539581.6	3754003.5	288.1	3.40	4.00
3.16 NO							
L0002972	0	0.10030E-02	539585.2	3754011.3	288.1	3.40	4.00
3.16 NO							
L0002973	0	0.10030E-02	539588.7	3754019.2	288.3	3.40	4.00
3.16 NO							
L0002974	0	0.10030E-02	539592.2	3754027.0	288.5	3.40	4.00
3.16 NO							
L0002975	0	0.10030E-02	539595.8	3754034.8	288.7	3.40	4.00
3.16 NO							
L0002976	0	0.10030E-02	539599.3	3754042.7	289.0	3.40	4.00
3.16 NO							
L0002977	0	0.10030E-02	539602.0	3754046.0	289.0	3.40	4.00
3.16 NO							
L0002978	0	0.10030E-02	539602.5	3754037.4	288.7	3.40	4.00
3.16 NO							
L0002979	0	0.10030E-02	539602.9	3754028.8	288.2	3.40	4.00
3.16 NO							
L0002980	0	0.10030E-02	539572.0	3754603.5	311.1	3.40	4.00
3.16 NO							
L0002981	0	0.10030E-02	539580.6	3754603.5	310.9	3.40	4.00
3.16 NO							
L0002982	0	0.10030E-02	539589.2	3754603.5	310.7	3.40	4.00
3.16 NO							
L0002983	0	0.10030E-02	539592.2	3754597.5	310.5	3.40	4.00
3.16 NO							
L0002984	0	0.10030E-02	539592.7	3754588.9	310.3	3.40	4.00
3.16 NO							
L0002985	0	0.10030E-02	539593.3	3754580.3	310.1	3.40	4.00
3.16 NO							
L0002986	0	0.10030E-02	539593.9	3754571.7	309.8	3.40	4.00
3.16 NO							
L0002987	0	0.10030E-02	539592.5	3754566.9	309.8	3.40	4.00
3.16 NO							
L0002988	0	0.10030E-02	539585.6	3754572.1	310.0	3.40	4.00
3.16 NO							
L0002989	0	0.10030E-02	539578.8	3754577.3	310.3	3.40	4.00
3.16 NO							
L0002990	0	0.10030E-02	539572.6	3754582.9	310.6	3.40	4.00
3.16 NO							
L0002991	0	0.10030E-02	539571.6	3754591.5	310.8	3.40	4.00
3.16 NO							

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***

*** 06:24:47

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
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ALL	L0001995	, L0001996	, L0001997	, L0001998	, L0001999	,
L0002000	, L0002001	, L0002002	,			
	L0002003	, L0002004	, L0002005	, L0002006	, L0002007	,
L0002008	, L0002009	, L0002010	,			
	L0002011	, L0002012	, L0002013	, L0002014	, L0002015	,
L0002016	, L0002017	, L0002018	,			
	L0002019	, L0002020	, L0002021	, L0002022	, L0002023	,
L0002024	, L0002025	, L0002026	,			
	L0002027	, L0002028	, L0002029	, L0002030	, L0002031	,
L0002032	, L0002033	, L0002034	,			
	L0002035	, L0002036	, L0002037	, L0002038	, L0002039	,
L0002040	, L0002041	, L0002042	,			
	L0002043	, L0002044	, L0002045	, L0002046	, L0002047	,
L0002048	, L0002049	, L0002050	,			
	L0002051	, L0002052	, L0002053	, L0002054	, L0002055	,
L0002056	, L0002057	, L0002058	,			
	L0002059	, L0002060	, L0002061	, L0002062	, L0002063	,
L0002064	, L0002065	, L0002066	,			
	L0002067	, L0002068	, L0002069	, L0002070	, L0002071	,
L0002072	, L0002073	, L0002074	,			
	L0002075	, L0002076	, L0002077	, L0002078	, L0002079	,
L0002080	, L0002081	, L0002082	,			
	L0002083	, L0002084	, L0002085	, L0002086	, L0002087	,
L0002088	, L0002089	, L0002090	,			
	L0002091	, L0002092	, L0002093	, L0002094	, L0002095	,
L0002096	, L0002097	, L0002098	,			
	L0002099	, L0002100	, L0002101	, L0002102	, L0002103	,
L0002104	, L0002105	, L0002106	,			

L0002112 L0002107 , L0002108 , L0002109 , L0002110 , L0002111 ,
 , L0002113 , L0002114 ,

 L0002120 L0002115 , L0002116 , L0002117 , L0002118 , L0002119 ,
 , L0002121 , L0002122 ,

 L0002128 L0002123 , L0002124 , L0002125 , L0002126 , L0002127 ,
 , L0002129 , L0002130 ,

 L0002136 L0002131 , L0002132 , L0002133 , L0002134 , L0002135 ,
 , L0002137 , L0002138 ,

 L0002144 L0002139 , L0002140 , L0002141 , L0002142 , L0002143 ,
 , L0002145 , L0002146 ,

 L0002152 L0002147 , L0002148 , L0002149 , L0002150 , L0002151 ,
 , L0002153 , L0002154 ,

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 28

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0002160	L0002155 , L0002156 , L0002157 , L0002158 , L0002159 , , L0002161 , L0002162 ,
L0002168	L0002163 , L0002164 , L0002165 , L0002166 , L0002167 , , L0002169 , L0002170 ,
L0002176	L0002171 , L0002172 , L0002173 , L0002174 , L0002175 , , L0002177 , L0002178 ,
L0002184	L0002179 , L0002180 , L0002181 , L0002182 , L0002183 , , L0002185 , L0002186 ,
L0002192	L0002187 , L0002188 , L0002189 , L0002190 , L0002191 , , L0002193 , L0002194 ,
L0002200	L0002195 , L0002196 , L0002197 , L0002198 , L0002199 , , L0002201 , L0002202 ,

L0002208 L0002203 , L0002204 , L0002205 , L0002206 , L0002207 ,
 , L0002209 , L0002210 ,

 L0002216 L0002211 , L0002212 , L0002213 , L0002214 , L0002215 ,
 , L0002217 , L0002218 ,

 L0002224 L0002219 , L0002220 , L0002221 , L0002222 , L0002223 ,
 , L0002225 , L0002226 ,

 L0002232 L0002227 , L0002228 , L0002229 , L0002230 , L0002231 ,
 , L0002233 , L0002234 ,

 L0002240 L0002235 , L0002236 , L0002237 , L0002238 , L0002239 ,
 , L0002241 , L0002242 ,

 L0002248 L0002243 , L0002244 , L0002245 , L0002246 , L0002247 ,
 , L0002249 , L0002250 ,

 L0002256 L0002251 , L0002252 , L0002253 , L0002254 , L0002255 ,
 , L0002257 , L0002258 ,

 L0002264 L0002259 , L0002260 , L0002261 , L0002262 , L0002263 ,
 , L0002265 , L0002266 ,

 L0002272 L0002267 , L0002268 , L0002269 , L0002270 , L0002271 ,
 , L0002273 , L0002274 ,

 L0002280 L0002275 , L0002276 , L0002277 , L0002278 , L0002279 ,
 , L0002281 , L0002282 ,

 L0002288 L0002283 , L0002284 , L0002285 , L0002286 , L0002287 ,
 , L0002289 , L0002290 ,

 L0002296 L0002291 , L0002292 , L0002293 , L0002294 , L0002295 ,
 , L0002297 , L0002298 ,

 L0002304 L0002299 , L0002300 , L0002301 , L0002302 , L0002303 ,
 , L0002305 , L0002306 ,

 L0002312 L0002307 , L0002308 , L0002309 , L0002310 , L0002311 ,
 , L0002313 , L0002314 ,

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID -----	SOURCE IDs -----					
L0002320	L0002315 , L0002321	, L0002316 , L0002322	, L0002317 ,	, L0002318	, L0002319	,
L0002328	L0002323 , L0002329	, L0002324 , L0002330	, L0002325 ,	, L0002326	, L0002327	,
L0002336	L0002331 , L0002337	, L0002332 , L0002338	, L0002333 ,	, L0002334	, L0002335	,
L0002344	L0002339 , L0002345	, L0002340 , L0002346	, L0002341 ,	, L0002342	, L0002343	,
L0002352	L0002347 , L0002353	, L0002348 , L0002354	, L0002349 ,	, L0002350	, L0002351	,
L0002360	L0002355 , L0002361	, L0002356 , L0002362	, L0002357 ,	, L0002358	, L0002359	,
L0002368	L0002363 , L0002369	, L0002364 , L0002370	, L0002365 ,	, L0002366	, L0002367	,
L0002376	L0002371 , L0002377	, L0002372 , L0002378	, L0002373 ,	, L0002374	, L0002375	,
L0002384	L0002379 , L0002385	, L0002380 , L0002386	, L0002381 ,	, L0002382	, L0002383	,
L0002392	L0002387 , L0002393	, L0002388 , L0002394	, L0002389 ,	, L0002390	, L0002391	,
L0002400	L0002395 , L0002401	, L0002396 , L0002402	, L0002397 ,	, L0002398	, L0002399	,
L0002408	L0002403 , L0002409	, L0002404 , L0002410	, L0002405 ,	, L0002406	, L0002407	,
L0002416	L0002411 , L0002417	, L0002412 , L0002418	, L0002413 ,	, L0002414	, L0002415	,
L0002424	L0002419 , L0002425	, L0002420 , L0002426	, L0002421 ,	, L0002422	, L0002423	,
	L0002427	, L0002428	, L0002429	, L0002430	, L0002431	,

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 L0002440 , L0002441 , L0002442 ,
 L0002448 , L0002449 , L0002450 ,
 L0002456 , L0002457 , L0002458 ,
 L0002464 , L0002465 , L0002466 ,
 L0002472 , L0002473 , L0002474 ,

*** AERMOD - VERSION 19191 *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 ***
 *** 06:24:47

PAGE 30

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0002480	L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002481 , L0002482 ,
L0002488	L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002489 , L0002490 ,
L0002496	L0002491 , L0002492 , L0002493 , L0002494 , L0002495 , L0002497 , L0002498 ,
L0002504	L0002499 , L0002500 , L0002501 , L0002502 , L0002503 , L0002505 , L0002506 ,
L0002512	L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002513 , L0002514 ,
L0002520	L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002521 , L0002522 ,
	L0002523 , L0002524 , L0002525 , L0002526 , L0002527 ,

L0002528 , L0002529 , L0002530 ,
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 L0002539 , L0002540 , L0002541 , L0002542 , L0002543 ,
 L0002544 , L0002545 , L0002546 ,
 L0002547 , L0002548 , L0002549 , L0002550 , L0002551 ,
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 L0002576 , L0002577 , L0002578 ,
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 L0002587 , L0002588 , L0002589 , L0002590 , L0002591 ,
 L0002592 , L0002593 , L0002594 ,
 L0002595 , L0002596 , L0002597 , L0002598 , L0002599 ,
 L0002600 , L0002601 , L0002602 ,
 L0002603 , L0002604 , L0002605 , L0002606 , L0002607 ,
 L0002608 , L0002609 , L0002610 ,
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 L0002616 , L0002617 , L0002618 ,
 L0002619 , L0002620 , L0002621 , L0002622 , L0002623 ,
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 L0002632 , L0002633 , L0002634 ,

*** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***

*** 06:24:47

PAGE 31

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0002640	L0002635 , L0002641	, L0002636 , L0002642	, L0002637 ,	, L0002638 ,	, L0002639 ,
L0002648	L0002643 , L0002649	, L0002644 , L0002650	, L0002645 ,	, L0002646 ,	, L0002647 ,
L0002656	L0002651 , L0002657	, L0002652 , L0002658	, L0002653 ,	, L0002654 ,	, L0002655 ,
L0002664	L0002659 , L0002665	, L0002660 , L0002666	, L0002661 ,	, L0002662 ,	, L0002663 ,
L0002672	L0002667 , L0002673	, L0002668 , L0002674	, L0002669 ,	, L0002670 ,	, L0002671 ,
L0002680	L0002675 , L0002681	, L0002676 , L0002682	, L0002677 ,	, L0002678 ,	, L0002679 ,
L0002688	L0002683 , L0002689	, L0002684 , L0002690	, L0002685 ,	, L0002686 ,	, L0002687 ,
L0002696	L0002691 , L0002697	, L0002692 , L0002698	, L0002693 ,	, L0002694 ,	, L0002695 ,
L0002704	L0002699 , L0002705	, L0002700 , L0002706	, L0002701 ,	, L0002702 ,	, L0002703 ,
L0002712	L0002707 , L0002713	, L0002708 , L0002714	, L0002709 ,	, L0002710 ,	, L0002711 ,
L0002720	L0002715 , L0002721	, L0002716 , L0002722	, L0002717 ,	, L0002718 ,	, L0002719 ,
L0002728	L0002723 , L0002729	, L0002724 , L0002730	, L0002725 ,	, L0002726 ,	, L0002727 ,
L0002736	L0002731 , L0002737	, L0002732 , L0002738	, L0002733 ,	, L0002734 ,	, L0002735 ,
L0002744	L0002739 , L0002745	, L0002740 , L0002746	, L0002741 ,	, L0002742 ,	, L0002743 ,
L0002752	L0002747 , L0002753	, L0002748 , L0002754	, L0002749 ,	, L0002750 ,	, L0002751 ,

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L0002760      L0002755      , L0002756      , L0002757      , L0002758      , L0002759      ,
, L0002761      , L0002762      ,

L0002768      L0002763      , L0002764      , L0002765      , L0002766      , L0002767      ,
, L0002769      , L0002770      ,

L0002776      L0002771      , L0002772      , L0002773      , L0002774      , L0002775      ,
, L0002777      , L0002778      ,

L0002784      L0002779      , L0002780      , L0002781      , L0002782      , L0002783      ,
, L0002785      , L0002786      ,

L0002792      L0002787      , L0002788      , L0002789      , L0002790      , L0002791      ,
, L0002793      , L0002794      ,
^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21
*** AERMET - VERSION 16216 *** ***
*** 06:24:47

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PAGE 32

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0002800	L0002795 , L0002796 , L0002797 , L0002798 , L0002799 , , L0002801 , L0002802 ,
L0002808	L0002803 , L0002804 , L0002805 , L0002806 , L0002807 , , L0002809 , L0002810 ,
L0002816	L0002811 , L0002812 , L0002813 , L0002814 , L0002815 , , L0002817 , L0002818 ,
L0002824	L0002819 , L0002820 , L0002821 , L0002822 , L0002823 , , L0002825 , L0002826 ,
L0002832	L0002827 , L0002828 , L0002829 , L0002830 , L0002831 , , L0002833 , L0002834 ,
L0002840	L0002835 , L0002836 , L0002837 , L0002838 , L0002839 , , L0002841 , L0002842 ,
L0002848	L0002843 , L0002844 , L0002845 , L0002846 , L0002847 , , L0002849 , L0002850 ,

L0002856 L0002851 , L0002852 , L0002853 , L0002854 , L0002855 ,
 , L0002857 , L0002858 ,

 L0002864 L0002859 , L0002860 , L0002861 , L0002862 , L0002863 ,
 , L0002865 , L0002866 ,

 L0002872 L0002867 , L0002868 , L0002869 , L0002870 , L0002871 ,
 , L0002873 , L0002874 ,

 L0002880 L0002875 , L0002876 , L0002877 , L0002878 , L0002879 ,
 , L0002881 , L0002882 ,

 L0002888 L0002883 , L0002884 , L0002885 , L0002886 , L0002887 ,
 , L0002889 , L0002890 ,

 L0002896 L0002891 , L0002892 , L0002893 , L0002894 , L0002895 ,
 , L0002897 , L0002898 ,

 L0002904 L0002899 , L0002900 , L0002901 , L0002902 , L0002903 ,
 , L0002905 , L0002906 ,

 L0002912 L0002907 , L0002908 , L0002909 , L0002910 , L0002911 ,
 , L0002913 , L0002914 ,

 L0002920 L0002915 , L0002916 , L0002917 , L0002918 , L0002919 ,
 , L0002921 , L0002922 ,

 L0002928 L0002923 , L0002924 , L0002925 , L0002926 , L0002927 ,
 , L0002929 , L0002930 ,

 L0002936 L0002931 , L0002932 , L0002933 , L0002934 , L0002935 ,
 , L0002937 , L0002938 ,

 L0002944 L0002939 , L0002940 , L0002941 , L0002942 , L0002943 ,
 , L0002945 , L0002946 ,

 L0002952 L0002947 , L0002948 , L0002949 , L0002950 , L0002951 ,
 , L0002953 , L0002954 ,

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
 *** 06:24:47

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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L0002960      L0002955      , L0002956      , L0002957      , L0002958      , L0002959      ,
              , L0002961      , L0002962      ,
L0002968      L0002963      , L0002964      , L0002965      , L0002966      , L0002967      ,
              , L0002969      , L0002970      ,
L0002976      L0002971      , L0002972      , L0002973      , L0002974      , L0002975      ,
              , L0002977      , L0002978      ,
L0002984      L0002979      , L0002980      , L0002981      , L0002982      , L0002983      ,
              , L0002985      , L0002986      ,
L0002987      , L0002988      , L0002989      , L0002990      , L0002991      ,

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

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*** AERMET - VERSION 16216 *** ***
*** 06:24:47

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PAGE 34

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 537219.4, 3752282.1, 295.1, 295.1, 0.0); ( 537421.1,
3752282.1, 290.2, 290.2, 0.0);
( 537622.7, 3752282.1, 285.5, 285.5, 0.0); ( 537824.4,
3752282.1, 281.0, 281.0, 0.0);
( 538026.0, 3752282.1, 277.2, 277.2, 0.0); ( 538227.7,
3752282.1, 276.4, 294.9, 0.0);
( 538429.3, 3752282.1, 269.1, 294.4, 0.0); ( 538631.0,
3752282.1, 264.7, 264.7, 0.0);
( 538832.6, 3752282.1, 260.6, 260.6, 0.0); ( 539034.2,
3752282.1, 256.7, 256.7, 0.0);
( 539235.9, 3752282.1, 252.6, 252.6, 0.0); ( 539437.6,
3752282.1, 248.4, 248.4, 0.0);
( 539639.2, 3752282.1, 244.5, 244.5, 0.0); ( 539840.9,
3752282.1, 241.3, 241.3, 0.0);
( 540042.5, 3752282.1, 238.2, 238.2, 0.0); ( 540244.2,
3752282.1, 235.0, 235.0, 0.0);
( 540445.8, 3752282.1, 232.3, 232.3, 0.0); ( 540647.5,
3752282.1, 233.2, 233.2, 0.0);
( 540849.1, 3752282.1, 233.2, 233.2, 0.0); ( 541050.8,
3752282.1, 232.4, 232.4, 0.0);
( 541252.4, 3752282.1, 232.1, 232.1, 0.0); ( 537219.4,
3752482.9, 296.5, 296.5, 0.0);

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(537421.1, 3752482.9, 291.6, 291.6, 0.0); (537622.7, 3752482.9, 286.5, 306.6, 0.0);
(537824.4, 3752482.9, 287.5, 310.5, 0.0); (538026.0, 3752482.9, 290.2, 306.0, 0.0);
(538227.7, 3752482.9, 294.6, 294.6, 0.0); (538429.3, 3752482.9, 281.9, 281.9, 0.0);
(538631.0, 3752482.9, 267.3, 267.3, 0.0); (538832.6, 3752482.9, 260.7, 260.7, 0.0);
(539034.2, 3752482.9, 257.4, 257.4, 0.0); (539235.9, 3752482.9, 253.6, 253.6, 0.0);
(539437.6, 3752482.9, 249.2, 249.2, 0.0); (539639.2, 3752482.9, 245.0, 245.0, 0.0);
(539840.9, 3752482.9, 241.9, 241.9, 0.0); (540042.5, 3752482.9, 239.1, 239.1, 0.0);
(540244.2, 3752482.9, 236.7, 236.7, 0.0); (540445.8, 3752482.9, 235.8, 235.8, 0.0);
(540647.5, 3752482.9, 237.1, 237.1, 0.0); (540849.1, 3752482.9, 237.1, 237.1, 0.0);
(541050.8, 3752482.9, 236.6, 236.6, 0.0); (541252.4, 3752482.9, 237.4, 237.4, 0.0);
(537219.4, 3752683.7, 297.7, 297.7, 0.0); (537421.1, 3752683.7, 293.5, 314.1, 0.0);
(537622.7, 3752683.7, 302.9, 306.1, 0.0); (537824.4, 3752683.7, 307.5, 307.5, 0.0);
(538026.0, 3752683.7, 304.4, 304.4, 0.0); (538227.7, 3752683.7, 295.1, 295.1, 0.0);
(538429.3, 3752683.7, 280.7, 287.3, 0.0); (538631.0, 3752683.7, 268.0, 268.0, 0.0);
(538832.6, 3752683.7, 262.6, 262.6, 0.0); (539034.2, 3752683.7, 259.3, 259.3, 0.0);
(539235.9, 3752683.7, 255.4, 255.4, 0.0); (539437.6, 3752683.7, 250.9, 250.9, 0.0);
(539639.2, 3752683.7, 247.1, 247.1, 0.0); (539840.9, 3752683.7, 244.6, 244.6, 0.0);
(540042.5, 3752683.7, 242.7, 242.7, 0.0); (540244.2, 3752683.7, 240.9, 240.9, 0.0);
(540445.8, 3752683.7, 240.2, 240.2, 0.0); (540647.5, 3752683.7, 240.8, 240.8, 0.0);
(540849.1, 3752683.7, 240.9, 240.9, 0.0); (541050.8, 3752683.7, 240.6, 240.6, 0.0);
(541252.4, 3752683.7, 241.2, 241.2, 0.0); (537219.4, 3752884.6, 312.9, 312.9, 0.0);
(537421.1, 3752884.6, 313.4, 313.4, 0.0); (537622.7, 3752884.6, 310.8, 310.8, 0.0);
(537824.4, 3752884.6, 307.6, 307.6, 0.0); (538026.0, 3752884.6, 301.0, 301.0, 0.0);
(538227.7, 3752884.6, 290.5, 290.5, 0.0); (538429.3, 3752884.6, 277.3, 277.3, 0.0);
(538631.0, 3752884.6, 268.9, 268.9, 0.0); (538832.6, 3752884.6, 265.5, 265.5, 0.0);

(539034.2, 3752884.6, 262.0, 262.0, 0.0); (539235.9,
3752884.6, 257.7, 257.7, 0.0);
(539437.6, 3752884.6, 255.0, 255.0, 0.0); (539639.2,
3752884.6, 251.1, 251.1, 0.0);
(539840.9, 3752884.6, 250.3, 250.3, 0.0); (540042.5,
3752884.6, 246.4, 246.4, 0.0);
(540244.2, 3752884.6, 244.4, 244.4, 0.0); (540445.8,
3752884.6, 244.8, 244.8, 0.0);
(540647.5, 3752884.6, 244.8, 244.8, 0.0); (540849.1,
3752884.6, 244.8, 244.8, 0.0);
(541050.8, 3752884.6, 244.4, 244.4, 0.0); (541252.4,
3752884.6, 245.4, 245.4, 0.0);
(537219.4, 3753085.4, 319.3, 319.3, 0.0); (537421.1,
3753085.4, 315.6, 315.6, 0.0);
(537622.7, 3753085.4, 307.9, 307.9, 0.0); (537824.4,
3753085.4, 300.4, 300.4, 0.0);
(538026.0, 3753085.4, 293.1, 293.1, 0.0); (538227.7,
3753085.4, 283.8, 283.8, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
*** 06:24:47

PAGE 35

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(538429.3, 3753085.4, 278.7, 278.7, 0.0); (538631.0,
3753085.4, 272.3, 272.3, 0.0);
(538832.6, 3753085.4, 268.2, 268.2, 0.0); (539034.2,
3753085.4, 264.5, 264.5, 0.0);
(539235.9, 3753085.4, 263.4, 263.4, 0.0); (539437.6,
3753085.4, 260.4, 260.4, 0.0);
(539639.2, 3753085.4, 258.1, 258.1, 0.0); (539840.9,
3753085.4, 255.3, 255.3, 0.0);
(540042.5, 3753085.4, 252.1, 252.1, 0.0); (540244.2,
3753085.4, 249.3, 249.3, 0.0);
(540445.8, 3753085.4, 247.0, 247.0, 0.0); (540647.5,
3753085.4, 249.0, 249.0, 0.0);
(540849.1, 3753085.4, 248.9, 248.9, 0.0); (541050.8,
3753085.4, 248.8, 248.8, 0.0);
(541252.4, 3753085.4, 249.4, 249.4, 0.0); (537219.4,
3753286.2, 321.3, 321.3, 0.0);
(537421.1, 3753286.2, 312.9, 312.9, 0.0); (537622.7,
3753286.2, 304.8, 304.8, 0.0);
(537824.4, 3753286.2, 297.9, 297.9, 0.0); (538026.0,
3753286.2, 291.4, 291.4, 0.0);

(538227.7, 3753286.2, 284.8, 284.8, 0.0); (538429.3,
3753286.2, 281.0, 281.0, 0.0);
(538631.0, 3753286.2, 276.8, 276.8, 0.0); (538832.6,
3753286.2, 272.2, 272.2, 0.0);
(539034.2, 3753286.2, 270.5, 270.5, 0.0); (539235.9,
3753286.2, 268.4, 268.4, 0.0);
(539437.6, 3753286.2, 266.2, 266.2, 0.0); (539639.2,
3753286.2, 264.2, 264.2, 0.0);
(539840.9, 3753286.2, 260.4, 260.4, 0.0); (540042.5,
3753286.2, 256.6, 256.6, 0.0);
(540244.2, 3753286.2, 254.4, 254.4, 0.0); (540445.8,
3753286.2, 252.3, 252.3, 0.0);
(540647.5, 3753286.2, 253.0, 253.0, 0.0); (540849.1,
3753286.2, 252.8, 252.8, 0.0);
(541050.8, 3753286.2, 252.8, 252.8, 0.0); (541252.4,
3753286.2, 254.3, 254.3, 0.0);
(537219.4, 3753487.0, 319.1, 319.1, 0.0); (537421.1,
3753487.0, 313.5, 313.5, 0.0);
(537622.7, 3753487.0, 306.7, 306.7, 0.0); (537824.4,
3753487.0, 301.3, 301.3, 0.0);
(538026.0, 3753487.0, 295.3, 295.3, 0.0); (538227.7,
3753487.0, 290.1, 290.1, 0.0);
(538429.3, 3753487.0, 285.9, 285.9, 0.0); (538631.0,
3753487.0, 281.4, 281.4, 0.0);
(538832.6, 3753487.0, 278.4, 278.4, 0.0); (539034.2,
3753487.0, 277.5, 277.5, 0.0);
(539235.9, 3753487.0, 275.0, 275.0, 0.0); (539437.6,
3753487.0, 273.0, 273.0, 0.0);
(539639.2, 3753487.0, 270.1, 270.1, 0.0); (539840.9,
3753487.0, 266.9, 266.9, 0.0);
(540042.5, 3753487.0, 262.7, 262.7, 0.0); (540244.2,
3753487.0, 261.3, 261.3, 0.0);
(540445.8, 3753487.0, 258.6, 258.6, 0.0); (540647.5,
3753487.0, 256.7, 256.7, 0.0);
(540849.1, 3753487.0, 258.2, 258.2, 0.0); (541050.8,
3753487.0, 258.6, 258.6, 0.0);
(541252.4, 3753487.0, 259.5, 259.5, 0.0); (537219.4,
3753687.9, 325.4, 325.4, 0.0);
(537421.1, 3753687.9, 319.3, 319.3, 0.0); (537622.7,
3753687.9, 312.4, 312.4, 0.0);
(537824.4, 3753687.9, 305.7, 305.7, 0.0); (538026.0,
3753687.9, 299.4, 299.4, 0.0);
(538227.7, 3753687.9, 294.5, 294.5, 0.0); (538429.3,
3753687.9, 289.8, 289.8, 0.0);
(538631.0, 3753687.9, 287.6, 287.6, 0.0); (538832.6,
3753687.9, 287.4, 287.4, 0.0);
(539034.2, 3753687.9, 286.2, 286.2, 0.0); (539235.9,
3753687.9, 282.9, 282.9, 0.0);
(539437.6, 3753687.9, 281.3, 281.3, 0.0); (539639.2,
3753687.9, 277.1, 277.1, 0.0);

(539840.9, 3753687.9, 273.0, 273.0, 0.0); (540042.5,
3753687.9, 270.2, 270.2, 0.0);
(540244.2, 3753687.9, 267.7, 267.7, 0.0); (540445.8,
3753687.9, 265.4, 265.4, 0.0);
(540647.5, 3753687.9, 262.0, 262.0, 0.0); (540849.1,
3753687.9, 263.9, 263.9, 0.0);
(541050.8, 3753687.9, 264.5, 264.5, 0.0); (541252.4,
3753687.9, 265.3, 265.3, 0.0);
(537219.4, 3753888.7, 331.1, 331.1, 0.0); (537421.1,
3753888.7, 324.3, 324.3, 0.0);
(537622.7, 3753888.7, 316.5, 316.5, 0.0); (537824.4,
3753888.7, 309.7, 309.7, 0.0);
(538026.0, 3753888.7, 304.4, 304.4, 0.0); (538227.7,
3753888.7, 298.3, 298.3, 0.0);
(538429.3, 3753888.7, 297.7, 297.7, 0.0); (538631.0,
3753888.7, 295.4, 295.4, 0.0);
(538832.6, 3753888.7, 295.4, 295.4, 0.0); (539034.2,
3753888.7, 293.3, 293.3, 0.0);
(539235.9, 3753888.7, 290.7, 290.7, 0.0); (539437.6,
3753888.7, 287.7, 287.7, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
*** 06:24:47

PAGE 36

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(539639.2, 3753888.7, 283.5, 283.5, 0.0); (539840.9,
3753888.7, 279.2, 279.2, 0.0);
(540042.5, 3753888.7, 277.4, 277.4, 0.0); (540244.2,
3753888.7, 274.1, 274.1, 0.0);
(540445.8, 3753888.7, 270.4, 270.4, 0.0); (540647.5,
3753888.7, 269.0, 269.0, 0.0);
(540849.1, 3753888.7, 268.2, 268.2, 0.0); (541050.8,
3753888.7, 269.7, 269.7, 0.0);
(541252.4, 3753888.7, 270.8, 270.8, 0.0); (537219.4,
3754089.5, 333.8, 333.8, 0.0);
(537421.1, 3754089.5, 328.1, 328.1, 0.0); (537622.7,
3754089.5, 320.0, 320.0, 0.0);
(537824.4, 3754089.5, 312.8, 312.8, 0.0); (538026.0,
3754089.5, 308.5, 308.5, 0.0);
(538227.7, 3754089.5, 303.0, 303.0, 0.0); (538429.3,
3754089.5, 304.5, 304.5, 0.0);
(538631.0, 3754089.5, 306.1, 306.1, 0.0); (539034.2,
3754089.5, 301.1, 301.1, 0.0);

(539235.9, 3754089.5, 297.5, 297.5, 0.0); (539437.6, 3754089.5, 294.6, 294.6, 0.0);
(539840.9, 3754089.5, 287.8, 287.8, 0.0); (540042.5, 3754089.5, 284.0, 284.0, 0.0);
(540244.2, 3754089.5, 279.2, 279.2, 0.0); (540445.8, 3754089.5, 281.0, 281.0, 0.0);
(540647.5, 3754089.5, 280.5, 280.5, 0.0); (540849.1, 3754089.5, 275.1, 275.1, 0.0);
(541050.8, 3754089.5, 275.4, 275.4, 0.0); (541252.4, 3754089.5, 276.3, 276.3, 0.0);
(537219.4, 3754290.4, 336.7, 336.7, 0.0); (537421.1, 3754290.4, 330.0, 330.0, 0.0);
(537622.7, 3754290.4, 323.2, 323.2, 0.0); (537824.4, 3754290.4, 317.4, 317.4, 0.0);
(538026.0, 3754290.4, 320.0, 320.0, 0.0); (538227.7, 3754290.4, 317.6, 324.5, 0.0);
(538429.3, 3754290.4, 313.2, 318.2, 0.0); (538631.0, 3754290.4, 315.6, 315.6, 0.0);
(539034.2, 3754290.4, 308.5, 308.5, 0.0); (539235.9, 3754290.4, 303.3, 303.3, 0.0);
(539437.6, 3754290.4, 303.1, 303.8, 0.0); (539840.9, 3754290.4, 295.0, 295.0, 0.0);
(540042.5, 3754290.4, 294.2, 294.2, 0.0); (540244.2, 3754290.4, 294.6, 294.6, 0.0);
(540445.8, 3754290.4, 294.0, 294.0, 0.0); (540647.5, 3754290.4, 287.5, 287.5, 0.0);
(540849.1, 3754290.4, 281.1, 281.1, 0.0); (541050.8, 3754290.4, 281.7, 281.7, 0.0);
(541252.4, 3754290.4, 281.9, 281.9, 0.0); (537219.4, 3754491.2, 339.7, 339.7, 0.0);
(537421.1, 3754491.2, 333.7, 333.7, 0.0); (537622.7, 3754491.2, 329.3, 329.3, 0.0);
(537824.4, 3754491.2, 328.8, 328.8, 0.0); (538026.0, 3754491.2, 333.0, 333.0, 0.0);
(538227.7, 3754491.2, 331.6, 331.6, 0.0); (538429.3, 3754491.2, 325.3, 330.2, 0.0);
(538631.0, 3754491.2, 324.1, 324.1, 0.0); (539034.2, 3754491.2, 317.9, 317.9, 0.0);
(539235.9, 3754491.2, 312.2, 312.2, 0.0); (539437.6, 3754491.2, 309.7, 309.7, 0.0);
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(540244.2, 3754491.2, 299.2, 306.6, 0.0); (540445.8, 3754491.2, 301.1, 301.1, 0.0);
(540647.5, 3754491.2, 295.3, 295.3, 0.0); (540849.1, 3754491.2, 287.4, 287.4, 0.0);
(541050.8, 3754491.2, 286.8, 286.8, 0.0); (541252.4, 3754491.2, 287.4, 287.4, 0.0);
(537219.4, 3754692.0, 346.7, 346.7, 0.0); (537421.1, 3754692.0, 341.4, 341.4, 0.0);

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( 537622.7, 3754692.0, 335.2, 335.2, 0.0); ( 537824.4,
3754692.0, 338.8, 338.8, 0.0);
( 538026.0, 3754692.0, 343.0, 343.0, 0.0); ( 538227.7,
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( 538429.3, 3754692.0, 332.1, 337.2, 0.0); ( 538631.0,
3754692.0, 326.7, 329.4, 0.0);
( 538832.6, 3754692.0, 322.8, 322.8, 0.0); ( 539034.2,
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( 539235.9, 3754692.0, 317.9, 317.9, 0.0); ( 539437.6,
3754692.0, 317.7, 317.7, 0.0);
( 539639.2, 3754692.0, 312.1, 312.1, 0.0); ( 539840.9,
3754692.0, 311.8, 311.8, 0.0);
( 540042.5, 3754692.0, 314.3, 314.3, 0.0); ( 540244.2,
3754692.0, 305.8, 305.8, 0.0);
( 540445.8, 3754692.0, 308.8, 308.8, 0.0); ( 540647.5,
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( 540849.1, 3754692.0, 296.6, 296.6, 0.0); ( 541050.8,
3754692.0, 293.1, 293.1, 0.0);
( 541252.4, 3754692.0, 293.0, 293.0, 0.0); ( 537219.4,
3754892.9, 355.9, 355.9, 0.0);
( 537421.1, 3754892.9, 349.3, 349.3, 0.0); ( 537622.7,
3754892.9, 342.8, 367.6, 0.0);

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

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*** AERMET - VERSION 16216 *** ***
*** 06:24:47

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PAGE 37

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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```

( 537824.4, 3754892.9, 345.3, 345.3, 0.0); ( 538026.0,
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( 538631.0, 3754892.9, 334.0, 334.0, 0.0); ( 538832.6,
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( 539034.2, 3754892.9, 327.4, 327.4, 0.0); ( 539235.9,
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( 539437.6, 3754892.9, 323.2, 323.2, 0.0); ( 539639.2,
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( 539840.9, 3754892.9, 317.8, 317.8, 0.0); ( 540042.5,
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( 540244.2, 3754892.9, 315.8, 359.4, 0.0); ( 540445.8,
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( 540647.5, 3754892.9, 312.6, 312.6, 0.0); ( 540849.1,
3754892.9, 306.2, 306.2, 0.0);

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(541050.8, 3754892.9, 300.0, 300.0, 0.0); (541252.4,
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( 540042.5, 3755495.3, 339.6, 339.6, 0.0); ( 540244.2,
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( 540445.8, 3755495.3, 341.0, 341.0, 0.0); ( 540647.5,
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( 540849.1, 3755495.3, 329.1, 329.1, 0.0); ( 541050.8,
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( 537421.1, 3755696.2, 389.7, 389.7, 0.0); ( 537622.7,
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( 537824.4, 3755696.2, 376.8, 376.8, 0.0); ( 538026.0,
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( 538227.7, 3755696.2, 367.1, 367.1, 0.0); ( 538429.3,
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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

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*** AERMET - VERSION 16216 *** ***
*** 06:24:47

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PAGE 38

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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```

( 539034.2, 3755696.2, 356.7, 356.7, 0.0); ( 539235.9,
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( 539840.9, 3755696.2, 344.2, 344.2, 0.0); ( 540042.5,
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( 540244.2, 3755696.2, 344.8, 344.8, 0.0); ( 540445.8,
3755696.2, 344.1, 344.1, 0.0);
( 540647.5, 3755696.2, 336.9, 342.0, 0.0); ( 540849.1,
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( 541050.8, 3755696.2, 324.7, 324.7, 0.0); ( 541252.4,
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(538832.6, 3755897.0, 366.1, 366.1, 0.0); (539034.2,
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(539235.9, 3755897.0, 360.3, 360.3, 0.0); (539437.6,
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3756298.7, 383.4, 383.4, 0.0);
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(539235.9, 3756298.7, 375.7, 375.7, 0.0); (539437.6,
3756298.7, 371.1, 371.1, 0.0);
(539639.2, 3756298.7, 366.9, 366.9, 0.0); (539840.9,
3756298.7, 362.4, 362.4, 0.0);
(540042.5, 3756298.7, 358.8, 358.8, 0.0); (540244.2,
3756298.7, 356.7, 356.7, 0.0);
(540445.8, 3756298.7, 353.7, 353.7, 0.0); (540647.5,
3756298.7, 347.7, 347.7, 0.0);
(540849.1, 3756298.7, 342.5, 342.5, 0.0); (541050.8,
3756298.7, 339.8, 339.8, 0.0);
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(538673.0, 3754544.0, 324.7, 324.7, 0.0); (538667.8,
3754559.7, 325.5, 325.5, 0.0);
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3754052.6, 303.1, 303.1, 0.0);
(538169.8, 3754068.2, 303.9, 303.9, 0.0); (538066.5,
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3754320.5, 323.6, 323.6, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
*** 06:24:47

PAGE 39

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(538209.0, 3754455.1, 330.0, 330.0, 0.0); (538080.9,
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3754300.4, 309.2, 309.2, 0.0);
(538943.5, 3754228.0, 306.0, 306.0, 0.0); (538943.5,
3754135.8, 303.5, 303.5, 0.0);
(539026.7, 3754052.5, 299.9, 299.9, 0.0); (539028.5,
3753924.1, 294.8, 294.8, 0.0);
(538818.7, 3753924.1, 296.8, 296.8, 0.0); (539517.1,
3754684.0, 315.3, 315.3, 0.0);

12	01	01	1	13	199.8	0.234	1.913	0.005	1259.	271.	-5.7	0.13	4.07
0.22	1.76	110.	10.1	299.9	2.0								
12	01	01	1	14	167.6	0.236	1.916	0.005	1507.	275.	-7.0	0.13	4.07
0.24	1.84	124.	10.1	300.4	2.0								
12	01	01	1	15	108.5	0.273	1.697	0.005	1617.	342.	-16.8	0.13	4.07
0.27	2.40	92.	10.1	300.4	2.0								
12	01	01	1	16	27.5	0.235	1.080	0.005	1640.	275.	-42.5	0.13	4.07
0.37	2.27	144.	10.1	299.2	2.0								
12	01	01	1	17	-5.6	0.106	-9.000	-9.000	-999.	95.	19.2	0.13	4.07
0.66	1.28	204.	10.1	294.9	2.0								
12	01	01	1	18	-17.6	0.188	-9.000	-9.000	-999.	196.	39.0	0.13	4.07
1.00	2.18	314.	10.1	292.0	2.0								
12	01	01	1	19	-25.3	0.260	-9.000	-9.000	-999.	318.	74.4	0.13	4.07
1.00	2.96	322.	10.1	289.9	2.0								
12	01	01	1	20	-21.1	0.217	-9.000	-9.000	-999.	243.	51.7	0.13	4.07
1.00	2.49	314.	10.1	289.2	2.0								
12	01	01	1	21	-26.7	0.275	-9.000	-9.000	-999.	346.	83.0	0.13	4.07
1.00	3.12	314.	10.1	290.4	2.0								
12	01	01	1	22	-22.1	0.226	-9.000	-9.000	-999.	259.	56.2	0.13	4.07
1.00	2.59	317.	10.1	288.8	2.0								
12	01	01	1	23	-28.1	0.285	-9.000	-9.000	-999.	365.	89.2	0.13	4.07
1.00	3.23	328.	10.1	285.4	2.0								
12	01	01	1	24	-33.3	0.338	-9.000	-9.000	-999.	472.	125.8	0.13	4.07
1.00	3.81	331.	10.1	286.4	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	328.	3.32	286.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 42

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
537219.40	3752282.07	0.09686	537421.05
3752282.07	0.10683		
537622.70	3752282.07	0.11483	537824.35
3752282.07	0.12250		
538026.00	3752282.07	0.13059	538227.65
3752282.07	0.14076		
538429.30	3752282.07	0.14894	538630.95
3752282.07	0.15858		
538832.60	3752282.07	0.16563	539034.25
3752282.07	0.17845		
539235.90	3752282.07	0.20363	539437.55
3752282.07	0.23843		
539639.20	3752282.07	0.28613	539840.85
3752282.07	0.34692		
540042.50	3752282.07	0.40368	540244.15
3752282.07	0.44880		
540445.80	3752282.07	0.48636	540647.45
3752282.07	0.51395		
540849.10	3752282.07	0.51688	541050.75
3752282.07	0.49644		
541252.40	3752282.07	0.46314	537219.40
3752482.90	0.10343		
537421.05	3752482.90	0.11573	537622.70
3752482.90	0.12634		
537824.35	3752482.90	0.13869	538026.00
3752482.90	0.15250		
538227.65	3752482.90	0.16598	538429.30
3752482.90	0.17921		
538630.95	3752482.90	0.18496	538832.60
3752482.90	0.19297		
539034.25	3752482.90	0.21065	539235.90
3752482.90	0.24691		
539437.55	3752482.90	0.29981	539639.20
3752482.90	0.36779		
539840.85	3752482.90	0.44168	540042.50
3752482.90	0.50171		
540244.15	3752482.90	0.55014	540445.80
3752482.90	0.58986		
540647.45	3752482.90	0.60706	540849.10
3752482.90	0.58989		

541050.75	3752482.90	0.54980	541252.40
3752482.90	0.50193		
537219.40	3752683.73	0.11117	537421.05
3752683.73	0.12504		
537622.70	3752683.73	0.13491	537824.35
3752683.73	0.14301		
538026.00	3752683.73	0.16402	538227.65
3752683.73	0.18968		
538429.30	3752683.73	0.20594	538630.95
3752683.73	0.21725		
538832.60	3752683.73	0.23098	539034.25
3752683.73	0.25612		
539235.90	3752683.73	0.31057	539437.55
3752683.73	0.39390		
539639.20	3752683.73	0.48845	539840.85
3752683.73	0.57045		
540042.50	3752683.73	0.63190	540244.15
3752683.73	0.68511		
540445.80	3752683.73	0.71819	540647.45
3752683.73	0.71016		
540849.10	3752683.73	0.66467	541050.75
3752683.73	0.60117		
541252.40	3752683.73	0.53620	537219.40
3752884.56	0.10476		
537421.05	3752884.56	0.11527	537622.70
3752884.56	0.13568		
537824.35	3752884.56	0.16004	538026.00
3752884.56	0.19280		
538227.65	3752884.56	0.22103	538429.30
3752884.56	0.23648		
538630.95	3752884.56	0.25950	538832.60
3752884.56	0.28482		
539034.25	3752884.56	0.32333	539235.90
3752884.56	0.41077		
539437.55	3752884.56	0.54817	539639.20
3752884.56	0.66548		
539840.85	3752884.56	0.74632	540042.50
3752884.56	0.80462		
540244.15	3752884.56	0.86035	540445.80
3752884.56	0.87207		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 43

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
540647.45	3752884.56	0.82221	540849.10
3752884.56	0.73918		
541050.75	3752884.56	0.64833	541252.40
3752884.56	0.56742		
537219.40	3753085.39	0.10203	537421.05
3753085.39	0.12350		
537622.70	3753085.39	0.15736	537824.35
3753085.39	0.19389		
538026.00	3753085.39	0.22632	538227.65
3753085.39	0.25259		
538429.30	3753085.39	0.28250	538630.95
3753085.39	0.31965		
538832.60	3753085.39	0.36201	539034.25
3753085.39	0.42843		
539235.90	3753085.39	0.59187	539437.55
3753085.39	0.80498		
539639.20	3753085.39	0.92402	539840.85
3753085.39	0.97896		
540042.50	3753085.39	1.05233	540244.15
3753085.39	1.09574		
540445.80	3753085.39	1.04241	540647.45
3753085.39	0.93682		
540849.10	3753085.39	0.80806	541050.75
3753085.39	0.69142		
541252.40	3753085.39	0.59527	537219.40
3753286.22	0.11311		
537421.05	3753286.22	0.14844	537622.70
3753286.22	0.18578		
537824.35	3753286.22	0.22226	538026.00
3753286.22	0.26241		
538227.65	3753286.22	0.30265	538429.30

3753286.22	0.35002			
538630.95	3753286.22	0.40913		538832.60
3753286.22	0.48219			
539034.25	3753286.22	0.62295		539235.90
3753286.22	0.94143			
539437.55	3753286.22	1.22506		539639.20
3753286.22	1.27339			
539840.85	3753286.22	1.31142		540042.50
3753286.22	1.42568			
540244.15	3753286.22	1.40321		540445.80
3753286.22	1.23433			
540647.45	3753286.22	1.04249		540849.10
3753286.22	0.86875			
541050.75	3753286.22	0.72843		541252.40
3753286.22	0.62135			
537219.40	3753487.05	0.13543		537421.05
3753487.05	0.16947			
537622.70	3753487.05	0.21026		537824.35
3753487.05	0.25698			
538026.00	3753487.05	0.30915		538227.65
3753487.05	0.37560			
538429.30	3753487.05	0.45713		538630.95
3753487.05	0.55722			
538832.60	3753487.05	0.70067		539034.25
3753487.05	1.04929			
539235.90	3753487.05	1.69257		539437.55
3753487.05	1.87260			
539639.20	3753487.05	1.74841		539840.85
3753487.05	1.93500			
540042.50	3753487.05	2.03085		540244.15
3753487.05	1.77435			
540445.80	3753487.05	1.42356		540647.45
3753487.05	1.13267			
540849.10	3753487.05	0.92382		541050.75
3753487.05	0.76328			
541252.40	3753487.05	0.64515		537219.40
3753687.88	0.13720			
537421.05	3753687.88	0.17566		537622.70
3753687.88	0.23046			
537824.35	3753687.88	0.29494		538026.00
3753687.88	0.37354			
538227.65	3753687.88	0.47348		538429.30
3753687.88	0.61448			
538630.95	3753687.88	0.83981		538832.60
3753687.88	1.23175			
539034.25	3753687.88	2.46203		539235.90
3753687.88	3.22823			
539437.55	3753687.88	2.81650		539639.20
3753687.88	2.70719			

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 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 , L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 , L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 , L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
539840.85	3753687.88	3.43999	540042.50
3753687.88	2.88331		
540244.15	3753687.88	2.14919	540445.80
3753687.88	1.59614		
540647.45	3753687.88	1.20760	540849.10
3753687.88	0.96791		
541050.75	3753687.88	0.79349	541252.40
3753687.88	0.66689		
537219.40	3753888.71	0.14102	537421.05
3753888.71	0.18423		
537622.70	3753888.71	0.25453	537824.35
3753888.71	0.34245		
538026.00	3753888.71	0.45352	538227.65
3753888.71	0.61331		
538429.30	3753888.71	0.89215	538630.95
3753888.71	1.48315		
538832.60	3753888.71	3.85610	539034.25
3753888.71	10.65327		
539235.90	3753888.71	5.41746	539437.55
3753888.71	4.47600		
539639.20	3753888.71	10.48319	539840.85
3753888.71	6.45207		

540042.50	3753888.71	3.79815	540244.15
3753888.71	2.46097		
540445.80	3753888.71	1.70111	540647.45
3753888.71	1.26696		
540849.10	3753888.71	0.99172	541050.75
3753888.71	0.81263		
541252.40	3753888.71	0.68002	537219.40
3754089.54	0.15066		
537421.05	3754089.54	0.19573	537622.70
3754089.54	0.27617		
537824.35	3754089.54	0.39202	538026.00
3754089.54	0.54283		
538227.65	3754089.54	0.79785	538429.30
3754089.54	1.27919		
538630.95	3754089.54	2.66952	539034.25
3754089.54	16.43536		
539235.90	3754089.54	7.08536	539437.55
3754089.54	6.85985		
539840.85	3754089.54	8.94978	540042.50
3754089.54	4.37718		
540244.15	3754089.54	2.58954	540445.80
3754089.54	1.80695		
540647.45	3754089.54	1.33794	540849.10
3754089.54	1.01349		
541050.75	3754089.54	0.82207	541252.40
3754089.54	0.68590		
537219.40	3754290.37	0.16489	537421.05
3754290.37	0.22184		
537622.70	3754290.37	0.30675	537824.35
3754290.37	0.43344		
538026.00	3754290.37	0.55827	538227.65
3754290.37	0.84598		
538429.30	3754290.37	1.52200	538630.95
3754290.37	3.05627		
539034.25	3754290.37	20.87103	539235.90
3754290.37	7.20239		
539437.55	3754290.37	6.64466	539840.85
3754290.37	8.92869		
540042.50	3754290.37	4.31376	540244.15
3754290.37	2.63802		
540445.80	3754290.37	1.82327	540647.45
3754290.37	1.31526		
540849.10	3754290.37	0.99854	541050.75
3754290.37	0.81407		
541252.40	3754290.37	0.67894	537219.40
3754491.20	0.17326		
537421.05	3754491.20	0.23160	537622.70
3754491.20	0.30833		
537824.35	3754491.20	0.39575	538026.00
3754491.20	0.47341		

538227.65	3754491.20	0.68532	538429.30
3754491.20	1.28288		
538630.95	3754491.20	2.70762	539034.25
3754491.20	12.57977		
539235.90	3754491.20	5.52568	539437.55
3754491.20	6.58509		
539840.85	3754491.20	7.40096	540042.50
3754491.20	3.61285		

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*** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 45

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
540244.15	3754491.20	2.27886	540445.80
3754491.20	1.63372		
540647.45	3754491.20	1.22861	540849.10
3754491.20	0.94785		
541050.75	3754491.20	0.77779	541252.40
3754491.20	0.65519		
537219.40	3754692.03	0.16399	537421.05
3754692.03	0.21602		
537622.70	3754692.03	0.29774	537824.35
3754692.03	0.33828		
538026.00	3754692.03	0.37983	538227.65
3754692.03	0.52388		
538429.30	3754692.03	0.98766	538630.95

3754692.03	1.96273			
	538832.60	3754692.03	4.02272	539034.25
3754692.03	3.85938			
	539235.90	3754692.03	3.40415	539437.55
3754692.03	5.05514			
	539639.20	3754692.03	14.56038	539840.85
3754692.03	4.40126			
	540042.50	3754692.03	2.47197	540244.15
3754692.03	1.80933			
	540445.80	3754692.03	1.35063	540647.45
3754692.03	1.07761			
	540849.10	3754692.03	0.87018	541050.75
3754692.03	0.72016			
	541252.40	3754692.03	0.61382	537219.40
3754892.86	0.13952			
	537421.05	3754892.86	0.18441	537622.70
3754892.86	0.24828			
	537824.35	3754892.86	0.28034	538026.00
3754892.86	0.32027			
	538227.65	3754892.86	0.54109	538429.30
3754892.86	0.74649			
	538630.95	3754892.86	1.03852	538832.60
3754892.86	1.45342			
	539034.25	3754892.86	1.71838	539235.90
3754892.86	1.85616			
	539437.55	3754892.86	2.23527	539639.20
3754892.86	2.64596			
	539840.85	3754892.86	2.06432	540042.50
3754892.86	1.35949			
	540244.15	3754892.86	1.26981	540445.80
3754892.86	0.99154			
	540647.45	3754892.86	0.87671	540849.10
3754892.86	0.75433			
	541050.75	3754892.86	0.64341	541252.40
3754892.86	0.55602			
	537219.40	3755093.69	0.11300	537421.05
3755093.69	0.14089			
	537622.70	3755093.69	0.13954	537824.35
3755093.69	0.20641			
	538026.00	3755093.69	0.29148	538227.65
3755093.69	0.36115			
	538429.30	3755093.69	0.48366	538630.95
3755093.69	0.59941			
	538832.60	3755093.69	0.77604	539034.25
3755093.69	0.89634			
	539235.90	3755093.69	0.98115	539437.55
3755093.69	1.18366			
	539639.20	3755093.69	1.20612	539840.85
3755093.69	1.17500			
	540042.50	3755093.69	0.95293	540244.15

3755093.69	0.72590			
540445.80	3755093.69	0.63473		540647.45
3755093.69	0.64034			
540849.10	3755093.69	0.61691		541050.75
3755093.69	0.55713			
541252.40	3755093.69	0.49247		537219.40
3755294.52	0.08946			
537421.05	3755294.52	0.10660		537622.70
3755294.52	0.12990			
537824.35	3755294.52	0.16200		538026.00
3755294.52	0.20068			
538227.65	3755294.52	0.24664		538429.30
3755294.52	0.31032			
538630.95	3755294.52	0.38569		538832.60
3755294.52	0.43629			
539034.25	3755294.52	0.51818		539235.90
3755294.52	0.56358			

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 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 46

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
539437.55	3755294.52	0.63722	539639.20
3755294.52	0.69952		
539840.85	3755294.52	0.71749	540042.50
3755294.52	0.55053		

540244.15	3755294.52	0.33317	540445.80
3755294.52	0.35973		
540647.45	3755294.52	0.47270	540849.10
3755294.52	0.49784		
541050.75	3755294.52	0.47022	541252.40
3755294.52	0.42712		
537219.40	3755495.35	0.07098	537421.05
3755495.35	0.08276		
537622.70	3755495.35	0.09916	537824.35
3755495.35	0.12383		
538026.00	3755495.35	0.15036	538227.65
3755495.35	0.17685		
538429.30	3755495.35	0.21365	538630.95
3755495.35	0.24511		
538832.60	3755495.35	0.27266	539034.25
3755495.35	0.32526		
539235.90	3755495.35	0.36428	539437.55
3755495.35	0.38114		
539639.20	3755495.35	0.44133	539840.85
3755495.35	0.46254		
540042.50	3755495.35	0.38622	540244.15
3755495.35	0.33964		
540445.80	3755495.35	0.32680	540647.45
3755495.35	0.35261		
540849.10	3755495.35	0.38627	541050.75
3755495.35	0.39364		
541252.40	3755495.35	0.36984	537219.40
3755696.18	0.05588		
537421.05	3755696.18	0.06482	537622.70
3755696.18	0.07866		
537824.35	3755696.18	0.09258	538026.00
3755696.18	0.11125		
538227.65	3755696.18	0.13229	538429.30
3755696.18	0.15461		
538630.95	3755696.18	0.16735	538832.60
3755696.18	0.18614		
539034.25	3755696.18	0.20879	539235.90
3755696.18	0.23949		
539437.55	3755696.18	0.24075	539639.20
3755696.18	0.28223		
539840.85	3755696.18	0.30440	540042.50
3755696.18	0.30399		
540244.15	3755696.18	0.26045	540445.80
3755696.18	0.25833		
540647.45	3755696.18	0.30288	540849.10
3755696.18	0.30643		
541050.75	3755696.18	0.33531	541252.40
3755696.18	0.31912		
537219.40	3755897.01	0.04501	537421.05
3755897.01	0.05173		

537622.70	3755897.01	0.05970	537824.35
3755897.01	0.07190		
538026.00	3755897.01	0.08448	538227.65
3755897.01	0.10103		
538429.30	3755897.01	0.11189	538630.95
3755897.01	0.11758		
538832.60	3755897.01	0.12985	539034.25
3755897.01	0.15068		
539235.90	3755897.01	0.16347	539437.55
3755897.01	0.16812		
539639.20	3755897.01	0.18854	539840.85
3755897.01	0.20710		
540042.50	3755897.01	0.21912	540244.15
3755897.01	0.19473		
540445.80	3755897.01	0.21076	540647.45
3755897.01	0.23347		
540849.10	3755897.01	0.27308	541050.75
3755897.01	0.27982		
541252.40	3755897.01	0.27352	537219.40
3756097.84	0.03662		
537421.05	3756097.84	0.04166	537622.70
3756097.84	0.04797		
537824.35	3756097.84	0.05667	538026.00
3756097.84	0.06753		
538227.65	3756097.84	0.07885	538429.30
3756097.84	0.08536		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 47

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	CONC	X-COORD (M)
3756097.84	538630.95	3756097.84	0.08675	0.08675	538832.60
3756097.84	539034.25	3756097.84	0.11088	0.11088	539235.90
3756097.84	539437.55	3756097.84	0.11799	0.11799	539639.20
3756097.84	539840.85	3756097.84	0.14699	0.14699	540042.50
3756097.84	540244.15	3756097.84	0.15096	0.15096	540445.80
3756097.84	540647.45	3756097.84	0.19932	0.19932	540849.10
3756097.84	541050.75	3756097.84	0.23323	0.23323	541252.40
3756298.67	537219.40	3756298.67	0.03043	0.03043	537421.05
3756298.67	537622.70	3756298.67	0.03392	0.03392	537824.35
3756298.67	538026.00	3756298.67	0.03905	0.03905	538227.65
3756298.67	538429.30	3756298.67	0.04581	0.04581	538630.95
3756298.67	538832.60	3756298.67	0.05530	0.05530	538832.60
3756298.67	539235.90	3756298.67	0.06203	0.06203	539034.25
3756298.67	539639.20	3756298.67	0.06592	0.06592	539437.55
3756298.67	540042.50	3756298.67	0.07450	0.07450	539639.20
3756298.67	540445.80	3756298.67	0.08179	0.08179	539840.85
3756298.67	540849.10	3756298.67	0.08651	0.08651	539840.85
3756298.67	541252.40	3756298.67	0.09619	0.09619	539840.85
3754536.16	541252.40	3756298.67	0.10798	0.10798	540042.50
3754559.69	540445.80	3756298.67	0.12139	0.12139	540244.15
3754277.37	540849.10	3756298.67	0.12766	0.12766	540445.80
3754128.37	541050.75	3756298.67	0.13526	0.13526	540647.45
3754324.42	541252.40	3756298.67	0.16078	0.16078	540849.10
3754064.32	541252.40	3756298.67	0.18375	0.18375	541050.75
	541252.40	3756298.67	0.18748	0.18748	541252.40
	538672.98	3754544.00	3.20255	3.20255	538735.71
	538765.77	3754363.63	8.54001	8.54001	538667.75
	538763.16	3754125.75	7.20730	7.20730	538761.85
	538567.11	3754072.17	1.96334	1.96334	538721.34
	538361.90	3754064.32	1.03180	1.03180	538474.31
					538325.31

3754052.56	0.93246			
	538169.77	3754068.24	0.69449	538066.51
3754073.47	0.57399			
	538211.59	3754266.91	0.78904	538171.08
3754320.50	0.67596			
	538208.98	3754455.12	0.67756	538080.89
3754462.97	0.52254			
	538809.61	3754580.88	10.65048	538910.93
3754580.88	15.26502			
	539113.58	3754307.67	14.33859	538965.21
3754300.43	31.30924			
	538943.50	3754228.05	29.56174	538943.50
3754135.78	32.49697			
	539026.73	3754052.55	21.44874	539028.54
3753924.08	16.37227			
	538818.66	3753924.08	5.27447	539517.07
3754684.01	10.56112			
	539676.29	3754684.01	12.56153	539681.72
3753924.08	17.53119			
	539524.31	3753925.89	8.06631	539526.12
3754047.12	15.41049			
	539564.11	3754094.16	18.99673	539549.64
3754495.84	16.98170			
	539520.69	3754539.26	13.95724	

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
537219.40	3752282.07	14.51526	(15122719)	537421.05
3752282.07	14.80459	(13081904)		
537622.70	3752282.07	14.83828	(13112817)	537824.35
3752282.07	14.81651	(12090505)		
538026.00	3752282.07	15.65211	(13082604)	538227.65
3752282.07	15.95399	(15030206)		
538429.30	3752282.07	16.52314	(12011019)	538630.95
3752282.07	16.69787	(16112022)		
538832.60	3752282.07	16.84468	(16102919)	539034.25
3752282.07	20.33416	(13061106)		
539235.90	3752282.07	21.42539	(13061106)	539437.55
3752282.07	16.05799	(15021820)		
539639.20	3752282.07	15.76185	(16070905)	539840.85
3752282.07	24.60654	(13061106)		
540042.50	3752282.07	14.59896	(13120606)	540244.15
3752282.07	13.70976	(15011206)		
540445.80	3752282.07	12.79412	(14111719)	540647.45
3752282.07	12.04231	(12080806)		
540849.10	3752282.07	11.26002	(13012420)	541050.75
3752282.07	10.79971	(13041305)		
541252.40	3752282.07	10.74780	(16101501)	537219.40
3752482.90	15.69805	(15122719)		
537421.05	3752482.90	16.19184	(14010619)	537622.70
3752482.90	16.09605	(14100620)		
537824.35	3752482.90	17.15467	(16031901)	538026.00
3752482.90	18.19926	(15030202)		
538227.65	3752482.90	19.88335	(15030206)	538429.30
3752482.90	19.96723	(13101304)		
538630.95	3752482.90	19.36705	(16112022)	538832.60
3752482.90	19.16816	(16102919)		
539034.25	3752482.90	23.55334	(13061106)	539235.90
3752482.90	20.17088	(13061106)		
539437.55	3752482.90	18.23684	(15021820)	539639.20
3752482.90	18.09190	(16070905)		
539840.85	3752482.90	26.47048	(13061106)	540042.50
3752482.90	16.56509	(15100105)		
540244.15	3752482.90	14.95043	(13012807)	540445.80
3752482.90	14.06268	(13070301)		
540647.45	3752482.90	12.92388	(13041922)	540849.10
3752482.90	11.98673	(14020223)		
541050.75	3752482.90	11.80044	(16101501)	541252.40
3752482.90	11.70227	(13020603)		
537219.40	3752683.73	17.29720	(12072505)	537421.05
3752683.73	17.55228	(15122719)		
537622.70	3752683.73	18.88454	(14010619)	537824.35
3752683.73	21.15367	(14100620)		

538026.00	3752683.73	21.09547	(16031901)	538227.65
3752683.73	22.32467	(14090105)		
538429.30	3752683.73	22.39973	(13110119)	538630.95
3752683.73	22.15183	(14072520)		
538832.60	3752683.73	22.25691	(16102919)	539034.25
3752683.73	27.36409	(13061106)		
539235.90	3752683.73	20.55204	(13120606)	539437.55
3752683.73	21.16268	(12012619)		
539639.20	3752683.73	21.23118	(16070905)	539840.85
3752683.73	27.93475	(13061106)		
540042.50	3752683.73	18.86887	(16112203)	540244.15
3752683.73	17.23174	(12100304)		
540445.80	3752683.73	15.47127	(12080806)	540647.45
3752683.73	13.85067	(13012420)		
540849.10	3752683.73	13.04670	(16101501)	541050.75
3752683.73	13.02014	(13020603)		
541252.40	3752683.73	12.90580	(14122818)	537219.40
3752884.56	23.40321	(14021219)		
537421.05	3752884.56	25.05371	(13010301)	537622.70
3752884.56	22.91218	(15092020)		
537824.35	3752884.56	24.22199	(14010619)	538026.00
3752884.56	22.80692	(13112817)		
538227.65	3752884.56	24.10850	(15030202)	538429.30
3752884.56	24.23921	(15030206)		
538630.95	3752884.56	25.26083	(16120119)	538832.60
3752884.56	26.35083	(16102919)		
539034.25	3752884.56	31.69754	(13061106)	539235.90
3752884.56	24.34151	(15100105)		
539437.55	3752884.56	25.34157	(12012021)	539639.20
3752884.56	25.58034	(16070905)		
539840.85	3752884.56	28.57540	(13061106)	540042.50
3752884.56	21.55000	(15011206)		
540244.15	3752884.56	19.08092	(13070301)	540445.80
3752884.56	16.54543	(13080804)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
*** 06:24:47

PAGE 49

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001995 , L0001996
, L0001997 , L0001998 , L0001999 ,
L0002000 , L0002001 , L0002002 , L0002003 , L0002004
, L0002005 , L0002006 , L0002007 ,
L0002008 , L0002009 , L0002010 , L0002011 , L0002012
, L0002013 , L0002014 , L0002015 ,

L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
540647.45	3752884.56	14.95681	(13041305)	540849.10
3752884.56	14.71163 (13020603)			
541050.75	3752884.56	14.51817	(13102103)	541252.40
3752884.56	14.35743 (15082905)			
537219.40	3753085.39	30.33641	(13012418)	537421.05
3753085.39	29.00751 (13012418)			
537622.70	3753085.39	24.91017	(14021219)	537824.35
3753085.39	23.55253 (15122719)			
538026.00	3753085.39	24.30165	(14010619)	538227.65
3753085.39	25.15889 (16031901)			
538429.30	3753085.39	27.83201	(14090105)	538630.95
3753085.39	30.49095 (12011019)			
538832.60	3753085.39	31.79087	(13110819)	539034.25
3753085.39	36.13527 (13061106)			
539235.90	3753085.39	29.34926	(16112203)	539437.55
3753085.39	31.76869 (16112022)			
539639.20	3753085.39	32.11045	(16102718)	539840.85
3753085.39	29.26546 (16042004)			
540042.50	3753085.39	24.68930	(12081905)	540244.15
3753085.39	21.09147 (12080806)			
540445.80	3753085.39	17.56467	(14020223)	540647.45
3753085.39	16.94428 (13020603)			
540849.10	3753085.39	16.92552	(13102103)	541050.75
3753085.39	16.43680 (13102519)			
541252.40	3753085.39	15.84944	(13100802)	537219.40
3753286.22	32.10679 (16071905)			
537421.05	3753286.22	30.46588	(12111317)	537622.70
3753286.22	25.17395 (12030519)			
537824.35	3753286.22	26.15709	(12072505)	538026.00
3753286.22	26.79726 (12072505)			
538227.65	3753286.22	27.07703	(14010619)	538429.30
3753286.22	31.72167 (15030202)			
538630.95	3753286.22	37.43738	(13101304)	538832.60
3753286.22	40.93896 (13110819)			
539034.25	3753286.22	40.71415	(12101719)	539235.90
3753286.22	34.92635 (13012807)			
539437.55	3753286.22	40.15256	(14072520)	539639.20

3753286.22	41.88800	(16102718)			
539840.85	3753286.22		36.03363	(15100105)	540042.50
3753286.22	28.51306	(13070301)			
540244.15	3753286.22		22.55006	(13012420)	540445.80
3753286.22	20.11550	(12113004)			
540647.45	3753286.22		20.15854	(15082905)	540849.10
3753286.22	19.47561	(13091106)			
541050.75	3753286.22		18.40969	(12032402)	541252.40
3753286.22	17.36053	(12111906)			
537219.40	3753487.05		31.49536	(12061404)	537421.05
3753487.05	31.95839	(13080702)			
537622.70	3753487.05		30.04353	(13080702)	537824.35
3753487.05	28.98452	(15083005)			
538026.00	3753487.05		31.54862	(16031802)	538227.65
3753487.05	33.24835	(12072505)			
538429.30	3753487.05		35.89416	(16031901)	538630.95
3753487.05	45.42520	(15030206)			
538832.60	3753487.05		54.97837	(13110819)	539034.25
3753487.05	53.92354	(16042004)			
539235.90	3753487.05		43.06568	(13070301)	539437.55
3753487.05	52.61712	(12011019)			
539639.20	3753487.05		58.30445	(15011020)	539840.85
3753487.05	45.11423	(16112203)			
540042.50	3753487.05		31.36857	(12080806)	540244.15
3753487.05	25.97543	(13102103)			
540445.80	3753487.05		25.34455	(15092802)	540647.45
3753487.05	23.48838	(12032402)			
540849.10	3753487.05		21.82322	(16101005)	541050.75
3753487.05	20.28397	(12111519)			
541252.40	3753487.05		18.85561	(12041803)	537219.40
3753687.88	32.97848	(13020218)			
537421.05	3753687.88		35.85181	(15052905)	537622.70
3753687.88	37.44807	(15052905)			
537824.35	3753687.88		34.12150	(12102818)	538026.00
3753687.88	34.63882	(12111317)			
538227.65	3753687.88		39.24314	(15083005)	538429.30
3753687.88	43.36411	(16031802)			
538630.95	3753687.88		53.57483	(15030202)	538832.60
3753687.88	81.61237	(16112022)			
539034.25	3753687.88		77.66216	(16112203)	539235.90
3753687.88	49.28439	(13012420)			
539437.55	3753687.88		72.68892	(15030206)	539639.20
3753687.88	90.35082	(15011020)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***

*** 06:24:47

PAGE 50

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
539840.85	3753687.88	53.15487	(14121018)	540042.50
3753687.88	38.46362	(15082905)		
540244.15	3753687.88	34.41968	(12032402)	540445.80
3753687.88	30.00270	(16101005)		
540647.45	3753687.88	26.14723	(12041803)	540849.10
3753687.88	23.94994	(14062105)		
541050.75	3753687.88	21.95523	(12100305)	541252.40
3753687.88	20.21900	(12100305)		
537219.40	3753888.71	31.31017	(15052905)	537421.05
3753888.71	36.96710	(15052905)		
537622.70	3753888.71	39.09107	(12052903)	537824.35
3753888.71	42.25466	(12052903)		
538026.00	3753888.71	41.21345	(16062103)	538227.65
3753888.71	42.38090	(12122519)		
538429.30	3753888.71	51.88236	(13112104)	538630.95
3753888.71	71.28301	(13080702)		
538832.60	3753888.71	155.37342	(12113006)	539034.25
3753888.71	129.78476	(12051206)		
539235.90	3753888.71	54.93564	(12121018)	539437.55
3753888.71	90.32157	(14010619)		
539639.20	3753888.71	177.18781	(12122403)	539840.85
3753888.71	70.54291	(14010405)		
540042.50	3753888.71	49.86686	(12082106)	540244.15
3753888.71	38.94109	(14062105)		
540445.80	3753888.71	32.31552	(14090201)	540647.45
3753888.71	28.05839	(14090201)		
540849.10	3753888.71	25.21961	(12041005)	541050.75
3753888.71	23.16538	(12052905)		

541252.40	3753888.71	21.38484	(12052905)	537219.40
3754089.54	32.97946	(12052903)		
537421.05	3754089.54	37.74634	(12052903)	537622.70
3754089.54	40.23073	(12052903)		
537824.35	3754089.54	43.23540	(12062904)	538026.00
3754089.54	46.07755	(13072905)		
538227.65	3754089.54	48.25856	(13072905)	538429.30
3754089.54	59.90348	(14082205)		
538630.95	3754089.54	83.22065	(13081604)	539034.25
3754089.54	123.56782	(12121808)		
539235.90	3754089.54	67.01662	(12080801)	539437.55
3754089.54	94.14011	(12072406)		
539840.85	3754089.54	79.15791	(12092224)	540042.50
3754089.54	52.27871	(13050406)		
540244.15	3754089.54	40.35780	(13050406)	540445.80
3754089.54	35.16622	(13050406)		
540647.45	3754089.54	30.79682	(13050406)	540849.10
3754089.54	26.57315	(13050406)		
541050.75	3754089.54	24.19722	(13050406)	541252.40
3754089.54	22.29284	(13050406)		
537219.40	3754290.37	31.82644	(12090905)	537421.05
3754290.37	37.78186	(12062105)		
537622.70	3754290.37	41.98888	(12062105)	537824.35
3754290.37	41.88512	(13072905)		
538026.00	3754290.37	52.48624	(14081503)	538227.65
3754290.37	59.56865	(14081503)		
538429.30	3754290.37	64.51517	(16062103)	538630.95
3754290.37	93.35446	(13052505)		
539034.25	3754290.37	137.05869	(12071406)	539235.90
3754290.37	73.41126	(13121108)		
539437.55	3754290.37	94.80689	(13080306)	539840.85
3754290.37	78.13578	(12080803)		
540042.50	3754290.37	53.56348	(13050406)	540244.15
3754290.37	43.32143	(13050406)		
540445.80	3754290.37	36.57108	(13050406)	540647.45
3754290.37	31.10094	(12110203)		
540849.10	3754290.37	26.96480	(12110203)	541050.75
3754290.37	24.71427	(12112905)		
541252.40	3754290.37	22.79288	(12112905)	537219.40
3754491.20	29.11528	(12090705)		
537421.05	3754491.20	35.22763	(12080801)	537622.70
3754491.20	40.48673	(12080801)		
537824.35	3754491.20	45.10588	(12080801)	538026.00
3754491.20	47.05157	(12080801)		
538227.65	3754491.20	54.12317	(12080801)	538429.30
3754491.20	71.80126	(13102019)		
538630.95	3754491.20	94.59809	(13081604)	539034.25
3754491.20	161.80978	(12050406)		
539235.90	3754491.20	72.09238	(16031807)	539437.55
3754491.20	93.73838	(13080306)		

539840.85 3754491.20 86.09188 (13110717) 540042.50
 3754491.20 59.54459 (12121808)
 *** AERMOD - VERSION 19191 *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 ***
 *** 06:24:47

PAGE 51

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
540244.15	3754491.20	43.45239	(12092224)	540445.80
3754491.20	37.72703 (12121808)			
540647.45	3754491.20	32.03459	(16082201)	540849.10
3754491.20	27.61327 (16082201)			
541050.75	3754491.20	25.16752	(16082201)	541252.40
3754491.20	23.25698 (16082201)			
537219.40	3754692.03	20.69715	(13102019)	537421.05
3754692.03	26.18118 (13081604)			
537622.70	3754692.03	32.52723	(12012302)	537824.35
3754692.03	32.81678 (13041302)			
538026.00	3754692.03	28.18143	(13041302)	538227.65
3754692.03	29.53750 (13041302)			
538429.30	3754692.03	52.67548	(13112719)	538630.95
3754692.03	79.68122 (13080306)			
538832.60	3754692.03	153.06409	(13072906)	539034.25
3754692.03	127.09879 (12050406)			
539235.90	3754692.03	78.89091	(15041903)	539437.55
3754692.03	107.43213 (13080306)			
539639.20	3754692.03	254.57608	(15072806)	539840.85

3754692.03	87.39337	(12031207)			
540042.50	3754692.03	69.93035	(16031807)		540244.15
3754692.03	45.39630	(12112121)			
540445.80	3754692.03	41.76164	(12121808)		540647.45
3754692.03	32.69568	(14101004)			
540849.10	3754692.03	28.69871	(14101004)		541050.75
3754692.03	25.65226	(14101004)			
541252.40	3754692.03	23.40341	(12121317)		537219.40
3754892.86	13.67367	(13041302)			
537421.05	3754892.86	19.63631	(13041302)		537622.70
3754892.86	23.92824	(13072505)			
537824.35	3754892.86	22.55780	(13112719)		538026.00
3754892.86	24.67891	(12062506)			
538227.65	3754892.86	35.69925	(13072706)		538429.30
3754892.86	41.94009	(13080306)			
538630.95	3754892.86	51.41515	(12080520)		538832.60
3754892.86	91.31832	(13081304)			
539034.25	3754892.86	90.08612	(12100804)		539235.90
3754892.86	68.62901	(15021419)			
539437.55	3754892.86	85.88653	(13081006)		539639.20
3754892.86	133.28884	(15072806)			
539840.85	3754892.86	72.39385	(12050406)		540042.50
3754892.86	64.64549	(16031807)			
540244.15	3754892.86	57.46607	(16031807)		540445.80
3754892.86	56.12693	(12121808)			
540647.45	3754892.86	39.89426	(12121808)		540849.10
3754892.86	28.84905	(12031207)			
541050.75	3754892.86	25.44512	(12092503)		541252.40
3754892.86	23.06619	(16082806)			
537219.40	3755093.69	8.49577	(13060506)		537421.05
3755093.69	11.20068	(12062506)			
537622.70	3755093.69	13.82940	(12062506)		537824.35
3755093.69	22.68821	(14070606)			
538026.00	3755093.69	22.39165	(14052606)		538227.65
3755093.69	25.81539	(12112608)			
538429.30	3755093.69	28.02665	(13061604)		538630.95
3755093.69	35.82580	(12100507)			
538832.60	3755093.69	55.64725	(13081304)		539034.25
3755093.69	55.80790	(15012623)			
539235.90	3755093.69	52.20771	(12110722)		539437.55
3755093.69	56.04476	(13080206)			
539639.20	3755093.69	72.42823	(13080104)		539840.85
3755093.69	61.32419	(13071405)			
540042.50	3755093.69	44.87967	(13090206)		540244.15
3755093.69	43.44099	(13081306)			
540445.80	3755093.69	43.18752	(16031807)		540647.45
3755093.69	43.99575	(16031807)			
540849.10	3755093.69	37.77793	(16031807)		541050.75
3755093.69	26.22511	(16031807)			
541252.40	3755093.69	23.15160	(16031807)		537219.40

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3755294.52      10.21024 (12062506)
      537421.05  3755294.52      12.46834 (14070606)      537622.70
3755294.52      18.58247 (14070606)
      537824.35  3755294.52      15.19757 (14052606)      538026.00
3755294.52      16.33267 (12112608)
      538227.65  3755294.52      18.46699 (12033007)      538429.30
3755294.52      17.60913 (13062506)
      538630.95  3755294.52      29.69249 (12062206)      538832.60
3755294.52      29.26915 (16071706)
      539034.25  3755294.52      35.12071 (12032703)      539235.90
3755294.52      35.33677 (13071405)

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. ***      07/27/21
*** AERMET - VERSION 16216 ***      ***
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PAGE 52

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):      L0001995      , L0001996
, L0001997      , L0001998      , L0001999      ,
      L0002000      , L0002001      , L0002002      , L0002003      , L0002004
, L0002005      , L0002006      , L0002007      ,
      L0002008      , L0002009      , L0002010      , L0002011      , L0002012
, L0002013      , L0002014      , L0002015      ,
      L0002016      , L0002017      , L0002018      , L0002019      , L0002020
, L0002021      , L0002022      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
539437.55	3755294.52	41.54236 (12062206)	539639.20
3755294.52	44.44038 (12032507)		
539840.85	3755294.52	44.32709 (13040302)	540042.50
3755294.52	26.39412 (12032702)		
540244.15	3755294.52	20.78178 (12071104)	540445.80
3755294.52	27.09656 (12071104)		
540647.45	3755294.52	37.28256 (13040403)	540849.10
3755294.52	38.91187 (16031807)		
541050.75	3755294.52	32.06537 (16031807)	541252.40
3755294.52	26.61421 (16031807)		

537219.40	3755495.35	12.10108	(14070606)	537421.05
3755495.35	11.50030	(14070606)		
537622.70	3755495.35	9.39806	(14052606)	537824.35
3755495.35	10.43243	(12112608)		
538026.00	3755495.35	14.96237	(12033007)	538227.65
3755495.35	17.59273	(12033007)		
538429.30	3755495.35	19.59040	(13060406)	538630.95
3755495.35	28.19017	(15032207)		
538832.60	3755495.35	21.65782	(12032707)	539034.25
3755495.35	25.52636	(13052906)		
539235.90	3755495.35	24.37983	(12090704)	539437.55
3755495.35	29.03800	(15032207)		
539639.20	3755495.35	31.20074	(12032507)	539840.85
3755495.35	27.66190	(12062804)		
540042.50	3755495.35	25.02564	(13090206)	540244.15
3755495.35	20.74728	(12071104)		
540445.80	3755495.35	23.90904	(12071104)	540647.45
3755495.35	30.02485	(12071104)		
540849.10	3755495.35	34.35948	(13081306)	541050.75
3755495.35	33.27057	(13080506)		
541252.40	3755495.35	29.25979	(13080506)	537219.40
3755696.18	9.79885	(14070606)		
537421.05	3755696.18	7.46788	(14070606)	537622.70
3755696.18	9.47676	(15091707)		
537824.35	3755696.18	8.40176	(15091707)	538026.00
3755696.18	17.13707	(12033007)		
538227.65	3755696.18	11.86228	(13062506)	538429.30
3755696.18	17.44967	(14060506)		
538630.95	3755696.18	24.16378	(15032207)	538832.60
3755696.18	17.40464	(12032707)		
539034.25	3755696.18	20.09318	(13052906)	539235.90
3755696.18	22.64029	(14060506)		
539437.55	3755696.18	18.85688	(15032207)	539639.20
3755696.18	21.66056	(12032507)		
539840.85	3755696.18	20.63913	(12090324)	540042.50
3755696.18	21.83340	(12062804)		
540244.15	3755696.18	20.08266	(13090206)	540445.80
3755696.18	18.72104	(13090206)		
540647.45	3755696.18	24.84470	(13090206)	540849.10
3755696.18	27.40356	(12071104)		
541050.75	3755696.18	32.72970	(13081306)	541252.40
3755696.18	29.15760	(13012517)		
537219.40	3755897.01	7.06767	(14070606)	537421.05
3755897.01	6.55626	(14070606)		
537622.70	3755897.01	7.47795	(15091707)	537824.35
3755897.01	10.12919	(12033007)		
538026.00	3755897.01	13.07683	(12033007)	538227.65
3755897.01	12.77802	(14062106)		
538429.30	3755897.01	17.00133	(14060506)	538630.95
3755897.01	16.91876	(15032207)		

538832.60	3755897.01	13.80737	(12032707)	539034.25
3755897.01	15.73059	(13052906)		
539235.90	3755897.01	18.16510	(12062206)	539437.55
3755897.01	14.59562	(16052806)		
539639.20	3755897.01	15.23657	(12032507)	539840.85
3755897.01	16.12960	(15052606)		
540042.50	3755897.01	16.74124	(12090324)	540244.15
3755897.01	14.99551	(13012624)		
540445.80	3755897.01	18.06669	(13090206)	540647.45
3755897.01	19.93706	(13090206)		
540849.10	3755897.01	24.81064	(13090206)	541050.75
3755897.01	26.24817	(13081704)		
541252.40	3755897.01	28.96195	(13081306)	537219.40
3756097.84	5.94819	(12062106)		
537421.05	3756097.84	5.26914	(12062106)	537622.70
3756097.84	6.25577	(12033007)		
537824.35	3756097.84	7.91549	(12033007)	538026.00
3756097.84	8.38607	(13062506)		
538227.65	3756097.84	12.48189	(14062106)	538429.30
3756097.84	12.45891	(14060506)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 53

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001995 , L0001996
 , L0001997 , L0001998 , L0001999 ,
 L0002000 , L0002001 , L0002002 , L0002003 , L0002004
 , L0002005 , L0002006 , L0002007 ,
 L0002008 , L0002009 , L0002010 , L0002011 , L0002012
 , L0002013 , L0002014 , L0002015 ,
 L0002016 , L0002017 , L0002018 , L0002019 , L0002020
 , L0002021 , L0002022 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
538630.95	3756097.84	12.71112	(13071606)	538832.60

3756097.84	11.15463	(12032707)			
539034.25	3756097.84		12.46122	(16061706)	539235.90
3756097.84	17.37359	(12062206)			
539437.55	3756097.84		11.67435	(16052806)	539639.20
3756097.84	12.68544	(13100307)			
539840.85	3756097.84		14.26069	(13052906)	540042.50
3756097.84	13.11211	(14051806)			
540244.15	3756097.84		11.96727	(13100307)	540445.80
3756097.84	14.92072	(13012624)			
540647.45	3756097.84		18.28048	(13012624)	540849.10
3756097.84	21.52104	(13090206)			
541050.75	3756097.84		23.18565	(13090206)	541252.40
3756097.84	23.54797	(13081704)			
537219.40	3756298.67		5.22388	(12062106)	537421.05
3756298.67	4.70028	(12033007)			
537622.70	3756298.67		7.56980	(12033007)	537824.35
3756298.67	6.09897	(12041507)			
538026.00	3756298.67		6.88336	(14062106)	538227.65
3756298.67	10.13761	(16061706)			
538429.30	3756298.67		12.62247	(12062206)	538630.95
3756298.67	11.76878	(16060106)			
538832.60	3756298.67		9.53885	(14062106)	539034.25
3756298.67	11.20341	(15062306)			
539235.90	3756298.67		13.84740	(12062206)	539437.55
3756298.67	9.14468	(13020417)			
539639.20	3756298.67		10.98700	(13100307)	539840.85
3756298.67	13.15000	(13052906)			
540042.50	3756298.67		11.84001	(13071506)	540244.15
3756298.67	11.26656	(16052806)			
540445.80	3756298.67		11.26674	(12062804)	540647.45
3756298.67	14.92596	(12062804)			
540849.10	3756298.67		18.13181	(13012624)	541050.75
3756298.67	19.82710	(13090206)			
541252.40	3756298.67		20.79253	(13090206)	538735.71
3754536.16	127.76883	(12072406)			
538672.98	3754544.00		99.65694	(12072406)	538667.75
3754559.69	95.68429	(13061505)			
538765.77	3754363.63		147.94161	(14081503)	538761.85
3754277.37	144.57526	(13080306)			
538763.16	3754125.75		121.67173	(12072406)	538721.34
3754128.37	103.26467	(12072406)			
538567.11	3754072.17		74.26433	(13072905)	538474.31
3754324.42	82.20876	(14081503)			
538361.90	3754064.32		56.32224	(13072905)	538325.31
3754052.56	53.88751	(13072905)			
538169.77	3754068.24		46.46859	(13072905)	538066.51
3754073.47	46.73465	(13072905)			
538211.59	3754266.91		59.94474	(14081503)	538171.08
3754320.50	61.29180	(14081503)			
538208.98	3754455.12		55.88337	(12080801)	538080.89

3754462.97	49.58907	(12080801)			
538809.61	3754580.88	210.45345	(13080206)		538910.93
3754580.88	255.98488	(15072806)			
539113.58	3754307.67	122.77386	(13121108)		538965.21
3754300.43	227.97915	(12071806)			
538943.50	3754228.05	212.37981	(12071806)		538943.50
3754135.78	201.01972	(12071806)			
539026.73	3754052.55	144.26037	(12121808)		539028.54
3753924.08	153.65909	(12080806)			
538818.66	3753924.08	162.62654	(13122318)		539517.07
3754684.01	207.58891	(13072406)			
539676.29	3754684.01	199.90014	(13102407)		539681.72
3753924.08	171.31836	(13010906)			
539524.31	3753925.89	191.79730	(16080806)		539526.12
3754047.12	154.74217	(12072406)			
539564.11	3754094.16	178.36476	(13080306)		539549.64
3754495.84	207.19795	(13072406)			
539520.69	3754539.26	167.95880	(13072406)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 54

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848

HRS) RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	32.49697 AT (538943.50, 3754135.78, 303.46,
	303.46, 0.00) DC		
	2ND HIGHEST VALUE IS	31.30924 AT (538965.21, 3754300.43, 309.25,
	309.25, 0.00) DC		
	3RD HIGHEST VALUE IS	29.56174 AT (538943.50, 3754228.05, 305.96,
	305.96, 0.00) DC		
	4TH HIGHEST VALUE IS	21.44874 AT (539026.73, 3754052.55, 299.92,
	299.92, 0.00) DC		
	5TH HIGHEST VALUE IS	20.87103 AT (539034.25, 3754290.37, 308.50,

308.50, 0.00) DC
 6TH HIGHEST VALUE IS 18.99673 AT (539564.11, 3754094.16, 291.86,
 291.86, 0.00) DC
 7TH HIGHEST VALUE IS 17.53119 AT (539681.72, 3753924.08, 283.01,
 283.01, 0.00) DC
 8TH HIGHEST VALUE IS 16.98170 AT (539549.64, 3754495.84, 308.99,
 308.99, 0.00) DC
 9TH HIGHEST VALUE IS 16.43536 AT (539034.25, 3754089.54, 301.08,
 301.08, 0.00) DC
 10TH HIGHEST VALUE IS 16.37227 AT (539028.54, 3753924.08, 294.84,
 294.84, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 55

*** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR

ALL HIGH 1ST HIGH VALUE IS 255.98488 ON 15072806: AT (538910.93,
 3754580.88, 318.43, 318.43, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
 Construction\Noble Site Construction. *** 07/27/21
 *** AERMET - VERSION 16216 *** ***

*** 06:24:47

PAGE 56

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 709 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 289 Calm Hours Identified

A Total of 420 Missing Hours Identified (0.96 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 2170 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 2170 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21
*** AERMET - VERSION 16216 *** ***
*** 06:24:47

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 997 Source(s); 1 Source Group(s); and 469
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 997 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and

Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 125.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.0 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Noble Site Construction.err

**File for Summary of Results: Noble Site Construction.sum

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21

*** AERMET - VERSION 16216 *** ***
*** 06:24:47

PAGE 2

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***


```

12 01 01 1 22 -22.1 0.226 -9.000 -9.000 -999. 259. 56.2 0.13 4.07
1.00 2.59 317. 10.1 288.8 2.0
12 01 01 1 23 -28.1 0.285 -9.000 -9.000 -999. 365. 89.2 0.13 4.07
1.00 3.23 328. 10.1 285.4 2.0
12 01 01 1 24 -33.3 0.338 -9.000 -9.000 -999. 472. 125.8 0.13 4.07
1.00 3.81 331. 10.1 286.4 2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
12 01 01 01 10.1 1 328. 3.32 286.5 99.0 -99.00 -99.00

```

F indicates top of profile (=1) or below (=0)

```

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
Construction\Noble Site Construction. *** 07/27/21
*** AERMET - VERSION 16216 *** ***
*** 06:24:47

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PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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ZHILL, ZFLAG)	OF TYPE	GRID-ID	
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308.99, 0.00) DC
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 301.08, 0.00) DC
 10TH HIGHEST VALUE IS 16.37227 AT (539028.54, 3753924.08, 294.84,
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 GP = GRIDPOLR
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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
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 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 5

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\Noble Site\Noble Site
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 *** AERMET - VERSION 16216 *** ***
 *** 06:24:47

PAGE 6

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

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*** NONE ***

***** WARNING MESSAGES *****
ME W186 2170 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
ME W187 2170 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

HARP2 - HRACalc (dated 21081) 1/25/2022 4:11:45 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.25

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 1.25
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: RMP

****Worker Adjustment Factors****
Worker adjustment factors enabled: NO

****Fraction at time at home****
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: P:\300.Environmental\10589 Desert Peak\Phase I - Noble Site (northern site)\Dudek Work Products\Documents\AQ-GHG Memo\HRA\HARP\NOBLE\hra\Rest4CancerRisk.csv

Cancer risk total by receptor saved to: P:\300.Environmental\10589 Desert Peak\Phase I - Noble Site (northern site)\Dudek Work Products\Documents\AQ-GHG Memo\HRA\HARP\NOBLE\hra\Rest4CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: P:\300.Environmental\10589 Desert Peak\Phase I - Noble Site (northern site)\Dudek Work Products\Documents\AQ-GHG Memo\HRA\HARP\NOBLE\hra\Rest4NCChronicRisk.csv

Chronic risk total by receptor saved to: P:\300.Environmental\10589 Desert Peak\Phase I - Noble Site (northern site)\Dudek Work Products\Documents\AQ-GHG Memo\HRA\HARP\NOBLE\hra\Rest4NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: P:\300.Environmental\10589 Desert Peak\Phase I - Noble Site (northern site)\Dudek Work Products\Documents\AQ-GHG Memo\HRA\HARP\NOBLE\hra\Rest4NCAcuteRisk.csv

Acute risk total by receptor saved to: P:\300.Environmental\10589 Desert Peak\Phase I - Noble Site (northern site)\Dudek Work Products\Documents\AQ-GHG Memo\HRA\HARP\NOBLE\hra\Rest4NCAcuteRiskSumByRec.csv

HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK
1	ALL		537219.4	3752282	1.05E-07	1.25YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		537421.1	3752282	1.15E-07	1.25YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		537622.7	3752282	1.24E-07	1.25YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		537824.4	3752282	1.32E-07	1.25YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		538026	3752282	1.41E-07	1.25YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		538227.7	3752282	1.52E-07	1.25YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		538429.3	3752282	1.61E-07	1.25YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		538631	3752282	1.71E-07	1.25YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		538832.6	3752282	1.79E-07	1.25YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		539034.3	3752282	1.93E-07	1.25YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		539235.9	3752282	2.20E-07	1.25YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		539437.6	3752282	2.58E-07	1.25YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		539639.2	3752282	3.09E-07	1.25YrCanc	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		539840.9	3752282	3.75E-07	1.25YrCanc	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		540042.5	3752282	4.36E-07	1.25YrCanc	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		540244.2	3752282	4.85E-07	1.25YrCanc	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		540445.8	3752282	5.26E-07	1.25YrCanc	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		540647.5	3752282	5.56E-07	1.25YrCanc	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		540849.1	3752282	5.59E-07	1.25YrCanc	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		541050.8	3752282	5.37E-07	1.25YrCanc	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		541252.4	3752282	5.01E-07	1.25YrCanc	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		537219.4	3752483	1.12E-07	1.25YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		537421.1	3752483	1.25E-07	1.25YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		537622.7	3752483	1.37E-07	1.25YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		537824.4	3752483	1.50E-07	1.25YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		538026	3752483	1.65E-07	1.25YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		538227.7	3752483	1.79E-07	1.25YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		538429.3	3752483	1.94E-07	1.25YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		538631	3752483	2.00E-07	1.25YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		538832.6	3752483	2.09E-07	1.25YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		539034.3	3752483	2.28E-07	1.25YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		539235.9	3752483	2.67E-07	1.25YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		539437.6	3752483	3.24E-07	1.25YrCanc	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

34 ALL	539639.2	3752483	3.98E-07	1.25YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35 ALL	539840.9	3752483	4.78E-07	1.25YrCanc	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36 ALL	540042.5	3752483	5.42E-07	1.25YrCanc	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37 ALL	540244.2	3752483	5.95E-07	1.25YrCanc	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38 ALL	540445.8	3752483	6.38E-07	1.25YrCanc	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39 ALL	540647.5	3752483	6.56E-07	1.25YrCanc	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40 ALL	540849.1	3752483	6.38E-07	1.25YrCanc	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41 ALL	541050.8	3752483	5.94E-07	1.25YrCanc	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42 ALL	541252.4	3752483	5.43E-07	1.25YrCanc	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43 ALL	537219.4	3752684	1.20E-07	1.25YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44 ALL	537421.1	3752684	1.35E-07	1.25YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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46 ALL	537824.4	3752684	1.55E-07	1.25YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47 ALL	538026	3752684	1.77E-07	1.25YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48 ALL	538227.7	3752684	2.05E-07	1.25YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49 ALL	538429.3	3752684	2.23E-07	1.25YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50 ALL	538631	3752684	2.35E-07	1.25YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51 ALL	538832.6	3752684	2.50E-07	1.25YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52 ALL	539034.3	3752684	2.77E-07	1.25YrCanc	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53 ALL	539235.9	3752684	3.36E-07	1.25YrCanc	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54 ALL	539437.6	3752684	4.26E-07	1.25YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55 ALL	539639.2	3752684	5.28E-07	1.25YrCanc	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56 ALL	539840.9	3752684	6.17E-07	1.25YrCanc	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57 ALL	540042.5	3752684	6.83E-07	1.25YrCanc	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58 ALL	540244.2	3752684	7.41E-07	1.25YrCanc	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59 ALL	540445.8	3752684	7.76E-07	1.25YrCanc	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60 ALL	540647.5	3752684	7.68E-07	1.25YrCanc	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61 ALL	540849.1	3752684	7.19E-07	1.25YrCanc	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62 ALL	541050.8	3752684	6.50E-07	1.25YrCanc	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63 ALL	541252.4	3752684	5.80E-07	1.25YrCanc	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64 ALL	537219.4	3752885	1.13E-07	1.25YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65 ALL	537421.1	3752885	1.25E-07	1.25YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66 ALL	537622.7	3752885	1.47E-07	1.25YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67 ALL	537824.4	3752885	1.73E-07	1.25YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

68 ALL	538026	3752885	2.08E-07	1.25YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69 ALL	538227.7	3752885	2.39E-07	1.25YrCanc	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70 ALL	538429.3	3752885	2.56E-07	1.25YrCanc	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71 ALL	538631	3752885	2.81E-07	1.25YrCanc	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72 ALL	538832.6	3752885	3.08E-07	1.25YrCanc	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73 ALL	539034.3	3752885	3.50E-07	1.25YrCanc	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74 ALL	539235.9	3752885	4.44E-07	1.25YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75 ALL	539437.6	3752885	5.93E-07	1.25YrCanc	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76 ALL	539639.2	3752885	7.19E-07	1.25YrCanc	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77 ALL	539840.9	3752885	8.07E-07	1.25YrCanc	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78 ALL	540042.5	3752885	8.70E-07	1.25YrCanc	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79 ALL	540244.2	3752885	9.30E-07	1.25YrCanc	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80 ALL	540445.8	3752885	9.43E-07	1.25YrCanc	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81 ALL	540647.5	3752885	8.89E-07	1.25YrCanc	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82 ALL	540849.1	3752885	7.99E-07	1.25YrCanc	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83 ALL	541050.8	3752885	7.01E-07	1.25YrCanc	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84 ALL	541252.4	3752885	6.13E-07	1.25YrCanc	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85 ALL	537219.4	3753085	1.10E-07	1.25YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86 ALL	537421.1	3753085	1.34E-07	1.25YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87 ALL	537622.7	3753085	1.70E-07	1.25YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88 ALL	537824.4	3753085	2.10E-07	1.25YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89 ALL	538026	3753085	2.45E-07	1.25YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90 ALL	538227.7	3753085	2.73E-07	1.25YrCanc	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91 ALL	538429.3	3753085	3.05E-07	1.25YrCanc	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92 ALL	538631	3753085	3.46E-07	1.25YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93 ALL	538832.6	3753085	3.91E-07	1.25YrCanc	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94 ALL	539034.3	3753085	4.63E-07	1.25YrCanc	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95 ALL	539235.9	3753085	6.40E-07	1.25YrCanc	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96 ALL	539437.6	3753085	8.70E-07	1.25YrCanc	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97 ALL	539639.2	3753085	9.99E-07	1.25YrCanc	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98 ALL	539840.9	3753085	1.06E-06	1.25YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99 ALL	540042.5	3753085	1.14E-06	1.25YrCanc	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100 ALL	540244.2	3753085	1.18E-06	1.25YrCanc	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101 ALL	540445.8	3753085	1.13E-06	1.25YrCanc	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

102 ALL	540647.5	3753085	1.01E-06	1.25YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103 ALL	540849.1	3753085	8.74E-07	1.25YrCanc	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104 ALL	541050.8	3753085	7.48E-07	1.25YrCanc	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105 ALL	541252.4	3753085	6.44E-07	1.25YrCanc	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106 ALL	537219.4	3753286	1.22E-07	1.25YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107 ALL	537421.1	3753286	1.60E-07	1.25YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108 ALL	537622.7	3753286	2.01E-07	1.25YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109 ALL	537824.4	3753286	2.40E-07	1.25YrCanc	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110 ALL	538026	3753286	2.84E-07	1.25YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111 ALL	538227.7	3753286	3.27E-07	1.25YrCanc	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112 ALL	538429.3	3753286	3.78E-07	1.25YrCanc	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113 ALL	538631	3753286	4.42E-07	1.25YrCanc	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114 ALL	538832.6	3753286	5.21E-07	1.25YrCanc	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115 ALL	539034.3	3753286	6.73E-07	1.25YrCanc	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116 ALL	539235.9	3753286	1.02E-06	1.25YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117 ALL	539437.6	3753286	1.32E-06	1.25YrCanc	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118 ALL	539639.2	3753286	1.38E-06	1.25YrCanc	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119 ALL	539840.9	3753286	1.42E-06	1.25YrCanc	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120 ALL	540042.5	3753286	1.54E-06	1.25YrCanc	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121 ALL	540244.2	3753286	1.52E-06	1.25YrCanc	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122 ALL	540445.8	3753286	1.33E-06	1.25YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123 ALL	540647.5	3753286	1.13E-06	1.25YrCanc	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124 ALL	540849.1	3753286	9.39E-07	1.25YrCanc	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125 ALL	541050.8	3753286	7.88E-07	1.25YrCanc	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126 ALL	541252.4	3753286	6.72E-07	1.25YrCanc	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127 ALL	537219.4	3753487	1.46E-07	1.25YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128 ALL	537421.1	3753487	1.83E-07	1.25YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129 ALL	537622.7	3753487	2.27E-07	1.25YrCanc	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130 ALL	537824.4	3753487	2.78E-07	1.25YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131 ALL	538026	3753487	3.34E-07	1.25YrCanc	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132 ALL	538227.7	3753487	4.06E-07	1.25YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133 ALL	538429.3	3753487	4.94E-07	1.25YrCanc	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134 ALL	538631	3753487	6.02E-07	1.25YrCanc	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135 ALL	538832.6	3753487	7.58E-07	1.25YrCanc	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

136 ALL	539034.3	3753487	1.13E-06	1.25YrCanc	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137 ALL	539235.9	3753487	1.83E-06	1.25YrCanc	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138 ALL	539437.6	3753487	2.02E-06	1.25YrCanc	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139 ALL	539639.2	3753487	1.89E-06	1.25YrCanc	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140 ALL	539840.9	3753487	2.09E-06	1.25YrCanc	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141 ALL	540042.5	3753487	2.20E-06	1.25YrCanc	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142 ALL	540244.2	3753487	1.92E-06	1.25YrCanc	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143 ALL	540445.8	3753487	1.54E-06	1.25YrCanc	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144 ALL	540647.5	3753487	1.22E-06	1.25YrCanc	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145 ALL	540849.1	3753487	9.99E-07	1.25YrCanc	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146 ALL	541050.8	3753487	8.25E-07	1.25YrCanc	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147 ALL	541252.4	3753487	6.97E-07	1.25YrCanc	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148 ALL	537219.4	3753688	1.48E-07	1.25YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149 ALL	537421.1	3753688	1.90E-07	1.25YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150 ALL	537622.7	3753688	2.49E-07	1.25YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151 ALL	537824.4	3753688	3.19E-07	1.25YrCanc	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152 ALL	538026	3753688	4.04E-07	1.25YrCanc	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153 ALL	538227.7	3753688	5.12E-07	1.25YrCanc	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154 ALL	538429.3	3753688	6.64E-07	1.25YrCanc	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155 ALL	538631	3753688	9.08E-07	1.25YrCanc	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156 ALL	538832.6	3753688	1.33E-06	1.25YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157 ALL	539034.3	3753688	2.66E-06	1.25YrCanc	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158 ALL	539235.9	3753688	3.49E-06	1.25YrCanc	3.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159 ALL	539437.6	3753688	3.04E-06	1.25YrCanc	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160 ALL	539639.2	3753688	2.93E-06	1.25YrCanc	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161 ALL	539840.9	3753688	3.72E-06	1.25YrCanc	3.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162 ALL	540042.5	3753688	3.12E-06	1.25YrCanc	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163 ALL	540244.2	3753688	2.32E-06	1.25YrCanc	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164 ALL	540445.8	3753688	1.73E-06	1.25YrCanc	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165 ALL	540647.5	3753688	1.31E-06	1.25YrCanc	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166 ALL	540849.1	3753688	1.05E-06	1.25YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167 ALL	541050.8	3753688	8.58E-07	1.25YrCanc	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168 ALL	541252.4	3753688	7.21E-07	1.25YrCanc	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169 ALL	537219.4	3753889	1.52E-07	1.25YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

170 ALL	537421.1	3753889	1.99E-07	1.25YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171 ALL	537622.7	3753889	2.75E-07	1.25YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172 ALL	537824.4	3753889	3.70E-07	1.25YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173 ALL	538026	3753889	4.90E-07	1.25YrCanc	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174 ALL	538227.7	3753889	6.63E-07	1.25YrCanc	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175 ALL	538429.3	3753889	9.65E-07	1.25YrCanc	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176 ALL	538631	3753889	1.60E-06	1.25YrCanc	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177 ALL	538832.6	3753889	4.17E-06	1.25YrCanc	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178 ALL	539034.3	3753889	1.15E-05	1.25YrCanc	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179 ALL	539235.9	3753889	5.86E-06	1.25YrCanc	5.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180 ALL	539437.6	3753889	4.84E-06	1.25YrCanc	4.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181 ALL	539639.2	3753889	1.13E-05	1.25YrCanc	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182 ALL	539840.9	3753889	6.98E-06	1.25YrCanc	6.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183 ALL	540042.5	3753889	4.11E-06	1.25YrCanc	4.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184 ALL	540244.2	3753889	2.66E-06	1.25YrCanc	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185 ALL	540445.8	3753889	1.84E-06	1.25YrCanc	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186 ALL	540647.5	3753889	1.37E-06	1.25YrCanc	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187 ALL	540849.1	3753889	1.07E-06	1.25YrCanc	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188 ALL	541050.8	3753889	8.79E-07	1.25YrCanc	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189 ALL	541252.4	3753889	7.35E-07	1.25YrCanc	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190 ALL	537219.4	3754090	1.63E-07	1.25YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191 ALL	537421.1	3754090	2.12E-07	1.25YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192 ALL	537622.7	3754090	2.99E-07	1.25YrCanc	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193 ALL	537824.4	3754090	4.24E-07	1.25YrCanc	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194 ALL	538026	3754090	5.87E-07	1.25YrCanc	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195 ALL	538227.7	3754090	8.63E-07	1.25YrCanc	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196 ALL	538429.3	3754090	1.38E-06	1.25YrCanc	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197 ALL	538631	3754090	2.89E-06	1.25YrCanc	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198 ALL	539034.3	3754090	1.78E-05	1.25YrCanc	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199 ALL	539235.9	3754090	7.66E-06	1.25YrCanc	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200 ALL	539437.6	3754090	7.42E-06	1.25YrCanc	7.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201 ALL	539840.9	3754090	9.68E-06	1.25YrCanc	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202 ALL	540042.5	3754090	4.73E-06	1.25YrCanc	4.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203 ALL	540244.2	3754090	2.80E-06	1.25YrCanc	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

204 ALL	540445.8	3754090	1.95E-06	1.25YrCanc	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205 ALL	540647.5	3754090	1.45E-06	1.25YrCanc	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206 ALL	540849.1	3754090	1.10E-06	1.25YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207 ALL	541050.8	3754090	8.89E-07	1.25YrCanc	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208 ALL	541252.4	3754090	7.42E-07	1.25YrCanc	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209 ALL	537219.4	3754290	1.78E-07	1.25YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210 ALL	537421.1	3754290	2.40E-07	1.25YrCanc	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211 ALL	537622.7	3754290	3.32E-07	1.25YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212 ALL	537824.4	3754290	4.69E-07	1.25YrCanc	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213 ALL	538026	3754290	6.04E-07	1.25YrCanc	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214 ALL	538227.7	3754290	9.15E-07	1.25YrCanc	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215 ALL	538429.3	3754290	1.65E-06	1.25YrCanc	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216 ALL	538631	3754290	3.30E-06	1.25YrCanc	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217 ALL	539034.3	3754290	2.26E-05	1.25YrCanc	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218 ALL	539235.9	3754290	7.79E-06	1.25YrCanc	7.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219 ALL	539437.6	3754290	7.18E-06	1.25YrCanc	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220 ALL	539840.9	3754290	9.65E-06	1.25YrCanc	9.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221 ALL	540042.5	3754290	4.66E-06	1.25YrCanc	4.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222 ALL	540244.2	3754290	2.85E-06	1.25YrCanc	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223 ALL	540445.8	3754290	1.97E-06	1.25YrCanc	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224 ALL	540647.5	3754290	1.42E-06	1.25YrCanc	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225 ALL	540849.1	3754290	1.08E-06	1.25YrCanc	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226 ALL	541050.8	3754290	8.80E-07	1.25YrCanc	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227 ALL	541252.4	3754290	7.34E-07	1.25YrCanc	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228 ALL	537219.4	3754491	1.87E-07	1.25YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229 ALL	537421.1	3754491	2.50E-07	1.25YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230 ALL	537622.7	3754491	3.33E-07	1.25YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231 ALL	537824.4	3754491	4.28E-07	1.25YrCanc	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232 ALL	538026	3754491	5.12E-07	1.25YrCanc	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233 ALL	538227.7	3754491	7.41E-07	1.25YrCanc	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234 ALL	538429.3	3754491	1.39E-06	1.25YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235 ALL	538631	3754491	2.93E-06	1.25YrCanc	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236 ALL	539034.3	3754491	1.36E-05	1.25YrCanc	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237 ALL	539235.9	3754491	5.97E-06	1.25YrCanc	5.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

238 ALL	539437.6	3754491	7.12E-06	1.25YrCanc	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239 ALL	539840.9	3754491	8.00E-06	1.25YrCanc	8.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240 ALL	540042.5	3754491	3.91E-06	1.25YrCanc	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241 ALL	540244.2	3754491	2.46E-06	1.25YrCanc	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242 ALL	540445.8	3754491	1.77E-06	1.25YrCanc	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243 ALL	540647.5	3754491	1.33E-06	1.25YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244 ALL	540849.1	3754491	1.02E-06	1.25YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245 ALL	541050.8	3754491	8.41E-07	1.25YrCanc	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246 ALL	541252.4	3754491	7.08E-07	1.25YrCanc	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247 ALL	537219.4	3754692	1.77E-07	1.25YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248 ALL	537421.1	3754692	2.34E-07	1.25YrCanc	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249 ALL	537622.7	3754692	3.22E-07	1.25YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250 ALL	537824.4	3754692	3.66E-07	1.25YrCanc	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251 ALL	538026	3754692	4.11E-07	1.25YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252 ALL	538227.7	3754692	5.66E-07	1.25YrCanc	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253 ALL	538429.3	3754692	1.07E-06	1.25YrCanc	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254 ALL	538631	3754692	2.12E-06	1.25YrCanc	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255 ALL	538832.6	3754692	4.35E-06	1.25YrCanc	4.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256 ALL	539034.3	3754692	4.17E-06	1.25YrCanc	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257 ALL	539235.9	3754692	3.68E-06	1.25YrCanc	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258 ALL	539437.6	3754692	5.47E-06	1.25YrCanc	5.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259 ALL	539639.2	3754692	1.57E-05	1.25YrCanc	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260 ALL	539840.9	3754692	4.76E-06	1.25YrCanc	4.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261 ALL	540042.5	3754692	2.67E-06	1.25YrCanc	2.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262 ALL	540244.2	3754692	1.96E-06	1.25YrCanc	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263 ALL	540445.8	3754692	1.46E-06	1.25YrCanc	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264 ALL	540647.5	3754692	1.17E-06	1.25YrCanc	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265 ALL	540849.1	3754692	9.41E-07	1.25YrCanc	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266 ALL	541050.8	3754692	7.79E-07	1.25YrCanc	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267 ALL	541252.4	3754692	6.64E-07	1.25YrCanc	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268 ALL	537219.4	3754893	1.51E-07	1.25YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269 ALL	537421.1	3754893	1.99E-07	1.25YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270 ALL	537622.7	3754893	2.68E-07	1.25YrCanc	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271 ALL	537824.4	3754893	3.03E-07	1.25YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

272 ALL	538026	3754893	3.46E-07	1.25YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273 ALL	538227.7	3754893	5.85E-07	1.25YrCanc	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274 ALL	538429.3	3754893	8.07E-07	1.25YrCanc	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275 ALL	538631	3754893	1.12E-06	1.25YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276 ALL	538832.6	3754893	1.57E-06	1.25YrCanc	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277 ALL	539034.3	3754893	1.86E-06	1.25YrCanc	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278 ALL	539235.9	3754893	2.01E-06	1.25YrCanc	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279 ALL	539437.6	3754893	2.42E-06	1.25YrCanc	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280 ALL	539639.2	3754893	2.86E-06	1.25YrCanc	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281 ALL	539840.9	3754893	2.23E-06	1.25YrCanc	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282 ALL	540042.5	3754893	1.47E-06	1.25YrCanc	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283 ALL	540244.2	3754893	1.37E-06	1.25YrCanc	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284 ALL	540445.8	3754893	1.07E-06	1.25YrCanc	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285 ALL	540647.5	3754893	9.48E-07	1.25YrCanc	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286 ALL	540849.1	3754893	8.16E-07	1.25YrCanc	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287 ALL	541050.8	3754893	6.96E-07	1.25YrCanc	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288 ALL	541252.4	3754893	6.01E-07	1.25YrCanc	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289 ALL	537219.4	3755094	1.22E-07	1.25YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290 ALL	537421.1	3755094	1.52E-07	1.25YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291 ALL	537622.7	3755094	1.51E-07	1.25YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292 ALL	537824.4	3755094	2.23E-07	1.25YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293 ALL	538026	3755094	3.15E-07	1.25YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294 ALL	538227.7	3755094	3.90E-07	1.25YrCanc	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295 ALL	538429.3	3755094	5.23E-07	1.25YrCanc	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296 ALL	538631	3755094	6.48E-07	1.25YrCanc	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297 ALL	538832.6	3755094	8.39E-07	1.25YrCanc	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298 ALL	539034.3	3755094	9.69E-07	1.25YrCanc	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299 ALL	539235.9	3755094	1.06E-06	1.25YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300 ALL	539437.6	3755094	1.28E-06	1.25YrCanc	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301 ALL	539639.2	3755094	1.30E-06	1.25YrCanc	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302 ALL	539840.9	3755094	1.27E-06	1.25YrCanc	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303 ALL	540042.5	3755094	1.03E-06	1.25YrCanc	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304 ALL	540244.2	3755094	7.85E-07	1.25YrCanc	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305 ALL	540445.8	3755094	6.86E-07	1.25YrCanc	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

340 ALL	539034.3	3755495	3.52E-07	1.25YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341 ALL	539235.9	3755495	3.94E-07	1.25YrCanc	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342 ALL	539437.6	3755495	4.12E-07	1.25YrCanc	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343 ALL	539639.2	3755495	4.77E-07	1.25YrCanc	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344 ALL	539840.9	3755495	5.00E-07	1.25YrCanc	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345 ALL	540042.5	3755495	4.18E-07	1.25YrCanc	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346 ALL	540244.2	3755495	3.67E-07	1.25YrCanc	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347 ALL	540445.8	3755495	3.53E-07	1.25YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348 ALL	540647.5	3755495	3.81E-07	1.25YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349 ALL	540849.1	3755495	4.18E-07	1.25YrCanc	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350 ALL	541050.8	3755495	4.26E-07	1.25YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351 ALL	541252.4	3755495	4.00E-07	1.25YrCanc	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352 ALL	537219.4	3755696	6.04E-08	1.25YrCanc	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353 ALL	537421.1	3755696	7.01E-08	1.25YrCanc	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354 ALL	537622.7	3755696	8.50E-08	1.25YrCanc	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355 ALL	537824.4	3755696	1.00E-07	1.25YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356 ALL	538026	3755696	1.20E-07	1.25YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357 ALL	538227.7	3755696	1.43E-07	1.25YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358 ALL	538429.3	3755696	1.67E-07	1.25YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359 ALL	538631	3755696	1.81E-07	1.25YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360 ALL	538832.6	3755696	2.01E-07	1.25YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361 ALL	539034.3	3755696	2.26E-07	1.25YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362 ALL	539235.9	3755696	2.59E-07	1.25YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363 ALL	539437.6	3755696	2.60E-07	1.25YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364 ALL	539639.2	3755696	3.05E-07	1.25YrCanc	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365 ALL	539840.9	3755696	3.29E-07	1.25YrCanc	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366 ALL	540042.5	3755696	3.29E-07	1.25YrCanc	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367 ALL	540244.2	3755696	2.82E-07	1.25YrCanc	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368 ALL	540445.8	3755696	2.79E-07	1.25YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369 ALL	540647.5	3755696	3.27E-07	1.25YrCanc	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370 ALL	540849.1	3755696	3.31E-07	1.25YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371 ALL	541050.8	3755696	3.63E-07	1.25YrCanc	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372 ALL	541252.4	3755696	3.45E-07	1.25YrCanc	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373 ALL	537219.4	3755897	4.87E-08	1.25YrCanc	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

374 ALL	537421.1	3755897	5.59E-08	1.25YrCanc	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375 ALL	537622.7	3755897	6.45E-08	1.25YrCanc	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376 ALL	537824.4	3755897	7.77E-08	1.25YrCanc	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377 ALL	538026	3755897	9.13E-08	1.25YrCanc	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378 ALL	538227.7	3755897	1.09E-07	1.25YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379 ALL	538429.3	3755897	1.21E-07	1.25YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380 ALL	538631	3755897	1.27E-07	1.25YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381 ALL	538832.6	3755897	1.40E-07	1.25YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382 ALL	539034.3	3755897	1.63E-07	1.25YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383 ALL	539235.9	3755897	1.77E-07	1.25YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384 ALL	539437.6	3755897	1.82E-07	1.25YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385 ALL	539639.2	3755897	2.04E-07	1.25YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386 ALL	539840.9	3755897	2.24E-07	1.25YrCanc	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387 ALL	540042.5	3755897	2.37E-07	1.25YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388 ALL	540244.2	3755897	2.11E-07	1.25YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389 ALL	540445.8	3755897	2.28E-07	1.25YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390 ALL	540647.5	3755897	2.52E-07	1.25YrCanc	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391 ALL	540849.1	3755897	2.95E-07	1.25YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392 ALL	541050.8	3755897	3.03E-07	1.25YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393 ALL	541252.4	3755897	2.96E-07	1.25YrCanc	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394 ALL	537219.4	3756098	3.96E-08	1.25YrCanc	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395 ALL	537421.1	3756098	4.50E-08	1.25YrCanc	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396 ALL	537622.7	3756098	5.19E-08	1.25YrCanc	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397 ALL	537824.4	3756098	6.13E-08	1.25YrCanc	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398 ALL	538026	3756098	7.30E-08	1.25YrCanc	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399 ALL	538227.7	3756098	8.52E-08	1.25YrCanc	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400 ALL	538429.3	3756098	9.23E-08	1.25YrCanc	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401 ALL	538631	3756098	9.38E-08	1.25YrCanc	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402 ALL	538832.6	3756098	1.05E-07	1.25YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403 ALL	539034.3	3756098	1.20E-07	1.25YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404 ALL	539235.9	3756098	1.28E-07	1.25YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405 ALL	539437.6	3756098	1.28E-07	1.25YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406 ALL	539639.2	3756098	1.45E-07	1.25YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407 ALL	539840.9	3756098	1.59E-07	1.25YrCanc	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

408 ALL	540042.5	3756098	1.79E-07	1.25YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409 ALL	540244.2	3756098	1.63E-07	1.25YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410 ALL	540445.8	3756098	1.88E-07	1.25YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411 ALL	540647.5	3756098	2.15E-07	1.25YrCanc	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412 ALL	540849.1	3756098	2.48E-07	1.25YrCanc	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413 ALL	541050.8	3756098	2.52E-07	1.25YrCanc	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414 ALL	541252.4	3756098	2.47E-07	1.25YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415 ALL	537219.4	3756299	3.29E-08	1.25YrCanc	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416 ALL	537421.1	3756299	3.67E-08	1.25YrCanc	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417 ALL	537622.7	3756299	4.22E-08	1.25YrCanc	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418 ALL	537824.4	3756299	4.95E-08	1.25YrCanc	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419 ALL	538026	3756299	5.98E-08	1.25YrCanc	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420 ALL	538227.7	3756299	6.71E-08	1.25YrCanc	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421 ALL	538429.3	3756299	7.13E-08	1.25YrCanc	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422 ALL	538631	3756299	7.19E-08	1.25YrCanc	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423 ALL	538832.6	3756299	8.05E-08	1.25YrCanc	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424 ALL	539034.3	3756299	8.84E-08	1.25YrCanc	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425 ALL	539235.9	3756299	8.73E-08	1.25YrCanc	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426 ALL	539437.6	3756299	9.35E-08	1.25YrCanc	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427 ALL	539639.2	3756299	1.04E-07	1.25YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428 ALL	539840.9	3756299	1.17E-07	1.25YrCanc	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429 ALL	540042.5	3756299	1.31E-07	1.25YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430 ALL	540244.2	3756299	1.38E-07	1.25YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431 ALL	540445.8	3756299	1.46E-07	1.25YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432 ALL	540647.5	3756299	1.74E-07	1.25YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433 ALL	540849.1	3756299	1.99E-07	1.25YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434 ALL	541050.8	3756299	2.04E-07	1.25YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435 ALL	541252.4	3756299	2.03E-07	1.25YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436 ALL	538735.7	3754536	6.44E-06	1.25YrCanc	6.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437 ALL	538673	3754544	3.46E-06	1.25YrCanc	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438 ALL	538667.8	3754560	3.22E-06	1.25YrCanc	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439 ALL	538765.8	3754364	9.23E-06	1.25YrCanc	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440 ALL	538761.9	3754277	8.50E-06	1.25YrCanc	8.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441 ALL	538763.2	3754126	7.79E-06	1.25YrCanc	7.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

442 ALL	538721.3	3754128	5.39E-06	1.25YrCanc	5.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443 ALL	538567.1	3754072	2.12E-06	1.25YrCanc	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444 ALL	538474.3	3754324	1.75E-06	1.25YrCanc	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445 ALL	538361.9	3754064	1.12E-06	1.25YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446 ALL	538325.3	3754053	1.01E-06	1.25YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447 ALL	538169.8	3754068	7.51E-07	1.25YrCanc	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448 ALL	538066.5	3754073	6.21E-07	1.25YrCanc	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449 ALL	538211.6	3754267	8.53E-07	1.25YrCanc	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450 ALL	538171.1	3754321	7.31E-07	1.25YrCanc	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451 ALL	538209	3754455	7.33E-07	1.25YrCanc	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452 ALL	538080.9	3754463	5.65E-07	1.25YrCanc	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453 ALL	538809.6	3754581	1.15E-05	1.25YrCanc	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454 ALL	538910.9	3754581	1.65E-05	1.25YrCanc	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455 ALL	539113.6	3754308	1.55E-05	1.25YrCanc	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456 ALL	538965.2	3754300	3.38E-05	1.25YrCanc	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457 ALL	538943.5	3754228	3.20E-05	1.25YrCanc	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458 ALL	538943.5	3754136	3.51E-05	1.25YrCanc	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459 ALL	539026.7	3754053	2.32E-05	1.25YrCanc	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460 ALL	539028.5	3753924	1.77E-05	1.25YrCanc	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461 ALL	538818.7	3753924	5.70E-06	1.25YrCanc	5.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462 ALL	539517.1	3754684	1.14E-05	1.25YrCanc	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463 ALL	539676.3	3754684	1.36E-05	1.25YrCanc	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464 ALL	539681.7	3753924	1.90E-05	1.25YrCanc	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465 ALL	539524.3	3753926	8.72E-06	1.25YrCanc	8.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466 ALL	539526.1	3754047	1.67E-05	1.25YrCanc	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467 ALL	539564.1	3754094	2.05E-05	1.25YrCanc	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468 ALL	539549.6	3754496	1.84E-05	1.25YrCanc	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469 ALL	539520.7	3754539	1.51E-05	1.25YrCanc	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

January 26, 2022

10589

Patti Murphy
Desert Peak Energy Center, LLC
One California, Suite 16
San Francisco, California 94111

Subject: *Desert Peak Energy Center Phase 2 Project Air Quality and Greenhouse Gas Emissions Study*

Dear Ms. Murphy:

Dudek is pleased to present Desert Peak Energy Center, LLC, with the following air quality and greenhouse gas (GHG) analysis for the proposed Desert Peak Energy Center Phase 2 Project (Project) located in the City of Palm Springs (City).

This memorandum estimates criteria air pollutant and GHG emissions and impacts from construction and operation of the Project in accordance with the California Environmental Quality Act (CEQA) Guidelines. The contents and organization of this memorandum are as follows: Project Description, General Analysis and Methodology, Thresholds of Significance and Impact Analyses for the Air Quality Assessment and GHG Emissions Assessment, Conclusions, and References Cited.

1 Project Location and Description

The Project is located in the City of Palm Springs at the southeastern intersection of Diablo Road and Dillon Road. In addition to the proposed battery energy storage system facility, four potential gen-tie line routes were surveyed and analyzed along both Diablo Road or Melissa Lane. The Project Site is located approximately 0.5 miles north of Interstate (“I”) 10, 1.15 miles east of State Route 62, and 1.6 miles west of North Indian Canyon Drive. The Project Site is located in Section 9, Township 3 South, and Range 4 East of the San Bernardino Baseline and Meridian, and is shown on the U.S. Geological Survey Desert Hot Springs 7.5-minute quadrangle. The approximate center of the site corresponds to 33° 55’16.73” north latitude and 116° 34’30.92” west longitude.

The Project includes construction and operation of a battery energy storage system facility and overhead gen-tie line. The battery energy storage system facility is a 400-megawatt by 4-hour facility on an approximately 35-acre footprint of the larger 170-acre Project Site, along with associated on-site switchyard, inverters, fencing, roads, and supervisory control and data acquisition (“SCADA”) system, and would store 1,600 megawatt-hours of energy. The Project also includes a 230-kilovolt overhead gen-tie line, which would extend approximately 1 mile north to the Southern California Edison (“SCE”) Devers Substation. Although only one gen-tie route will be chosen, four potential gen-tie line routes have been analyzed herein: one along Diablo Road and three potential routes along Melissa Lane.

2 General Analysis and Methodology

The Project site is located within the Salton Sea Air Basin (SSAB) and is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD), which has jurisdiction over Riverside County (County) where

the Project is located. Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants that are evaluated include volatile organic compounds (VOCs; sometimes referred to as reactive organic gases), oxides of nitrogen (NO_x), carbon monoxide (CO), sulfur oxides (SO_x), particulate matter with an aerodynamic diameter less than or equal to 10 microns in size (coarse particulate matter, or PM₁₀), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size (fine particulate matter, or PM_{2.5}). VOCs and NO_x are important because they are precursors to ozone (O₃).

GHGs are gases that absorb infrared radiation in the atmosphere. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature. Global climate change concerns are focused on whether human activities are leading to an enhancement of the greenhouse effect. Principal GHGs include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), O₃, and water vapor. If the atmospheric concentrations of GHGs rise, the average temperature of the lower atmosphere will gradually increase. Globally, climate change has the potential to impact numerous environmental resources though uncertain impacts related to future air temperatures and precipitation patterns. Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. Climate change is already affecting California: average temperatures have increased, leading to more extreme hot days and fewer cold nights; shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year; sea levels have risen; and wildland fires are becoming more frequent and intense due to dry seasons that start earlier and end later (CAT 2010).

The effect each GHG has on climate change is measured as a combination of the mass of its emissions and the potential of a gas or aerosol to trap heat in the atmosphere, known as its global warming potential (GWP), which varies among GHGs. Total GHG emissions are expressed as a function of how much warming would be caused by the same mass of CO₂. Thus, GHG emissions are typically measured in terms of pounds or tons of CO₂ equivalent (CO₂e). The CO₂e for a gas is derived by multiplying the mass of the gas by the associated GWP, such that metric tons (MT) of CO₂e = (MT of a GHG) × (GWP of the GHG). CalEEMod assumes that the GWP for CH₄ is 25, which means that emissions of 1 MT of CH₄ are equivalent to emissions of 25 MT of CO₂, and the GWP for N₂O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007).

2.1 Construction

Emissions from the construction phase of the Project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2020.4.0 (CAPCOA 2021). For the purposes of modeling, it was assumed that construction of the Project would commence in June 2024¹ and would last approximately 15 months, ending in August 2025. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Site preparation – 2 weeks
- Substation site preparation – 1 month

¹ The analysis assumes a construction start date of June 2024, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

- Trenching – 1 month
- Grading – 1 month
- Substation grading – 1 month
- Battery/Container installation – 7 months
- Substation installation – 4 months
- Gen-tie foundation and tower erection – 1 week
- Gen-tie stringing and pulling – 2 months

The majority of the construction phases listed above would occur concurrently and would not occur sequentially in isolation. The estimated construction duration was provided by the Project applicant. Detailed construction equipment modeling assumptions are provided in Attachment A, CalEEMod Outputs.

The construction equipment mix used for estimating the construction emissions of the Project is based on information provided by the Project applicant and is shown in Table 1.

Table 1. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Site preparation	40	2	0	Graders	2	8
				Rubber-tired loaders	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation site preparation	40	2	0	Rubber-tired dozers	2	8
				Tractors/loaders/backhoes	2	8
Trenching	8	2	0	Tractors/loaders/backhoes	2	8
				Trenchers	2	8
Grading	40	2	7,178	Graders	2	8
				Plate compactors	2	8
				Rollers	2	8
				Rubber-tired loaders	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation grading	40	2	7,178	Rollers	2	8
				Rubber-tired dozers	2	8
				Tractors/loaders/backhoes	2	8
Battery/Container installation	40	4	492	Air compressors	4	8
				Cranes	2	8

Table 1. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
				Excavators	2	8
				Generator sets	4	8
				Plate compactors	2	8
				Rollers	2	8
				Rough-terrain forklifts	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	2	8
Substation Installation	40	20	0	Aerial lifts	6	8
				Air compressors	2	8
				Bore/drill rigs	2	8
				Cranes	2	8
				Excavators	2	8
				Generator sets	2	8
				Rollers	2	8
				Rough-terrain forklifts	2	8
				Rubber-tired dozers	2	8
				Skid-steer loaders	2	8
				Tractors/loaders/backhoes	4	8
Gen-tie foundation and tower erection	10	2	0	Trenchers	4	8
				Air Compressors	1	8
				Cranes	1	4
				Forklifts	1	8
				Generator Sets	1	8
				Pumps	1	8
Gen-tie stringing and pulling	8	2	0	Welders	1	8
				Forklifts	1	6
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	1	8

Note: See Attachment A for details.

For the analysis, it was assumed that heavy construction equipment would be operating 5 days per week (22 days per month) during Project construction. Construction worker and vendor trips were based on CalEEMod default assumptions and rounded up to the nearest whole number to account for whole round trips.

Project construction would include 1 cubic yards of cut and 114,832 cubic yards of fill, as represented in the grading and substation grading phases. Approximately 114,831 cubic yards of material will be imported. It is anticipated that earth movement would be primarily, if not completely, accomplished using off-road equipment. Based on the

location of the construction activity, it was assumed that 0.46 miles of non-road travel would occur per trip for vendor trucks. All other vehicles will park at the staging/substation area.

Construction of project components would be subject to SCAQMD Rule 403 and 403.1, which requires that proposed construction include steps to restrict visible emissions of fugitive dust beyond the property line (SCAQMD 2005 and SCAQMD 2004). Compliance with SCAQMD Rule 403 and 403.1 would limit fugitive dust (PM₁₀ and PM_{2.5}) that may be generated during proposed grading and construction activities. The application of architectural coatings, such as exterior application/interior paint and other finishes, and application of asphalt pavement would also produce VOC emissions; however, the contractor is required to procure architectural coatings from a supplier in compliance with the requirements of SCAQMD's Rule 1113 (Architectural Coatings; SCAQMD 2016).

A detailed depiction of the construction schedule—including information regarding phases and equipment used during each phase—is included in Attachment A to this letter report. The information contained in Attachment A was used as CalEEMod model inputs.

2.2 Operation

Emissions from the operational phase of the Project were estimated using CalEEMod. Operational year 2025 was assumed, as it would be the first full year following completion of construction.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of a power plant, which is typically off site. The battery storage containers would have heating, ventilation, and air conditioning systems to keep the batteries in the optimal operating temperatures. As such, the default CalEEMod rates for a refrigerated warehouse were assumed for electricity use for the Project.

Emissions were calculated by multiplying the energy use by the utility's carbon intensity (pounds of GHGs per megawatt-hour for electricity) for CO₂ and other GHGs. Annual electricity emissions were estimated in CalEEMod using the emissions factors for Southern California Edison (SCE), which would be the energy source provider for the Project.

Mobile Sources

Following the completion of construction activities, the Project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of the maintenance activity of the Project. It is anticipated that one worker truck and two vendor trucks would visit the site every month to perform routine maintenance. CalEEMod default data, including trip characteristics and emissions factors, were used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the associated use, as modeled within CalEEMod. Emission factors representing the vehicle mix and emissions for 2025 were used to estimate emissions associated with vehicular sources.

Off-Road Sources

The Project would involve using a crane once every 5 years during routine maintenance to be able to lift, move, and replace/upgrade the modular containers. CalEEMod default equipment size and load factors were assumed. It was assumed that the crane would operate for 8 hours, 1 day every 5 years.

3 Air Quality Assessment

3.1 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality are based on the recommendations provided in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). For the purposes of this air quality analysis, a significant impact would occur if the Project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied on to determine whether a project would have a significant impact on air quality.

SCAQMD has adopted thresholds to address the significance of air quality impacts resulting from a project. A project would result in a substantial contribution to an existing air quality violation of the National Ambient Air Quality Standards (NAAQS) or California Ambient Air Quality Standards (CAAQS) for O₃, which is a nonattainment pollutant, if the project’s construction emissions would exceed SCAQMD’s VOC or NO_x significance thresholds (shown in Table 2). These emission-based thresholds for O₃ precursors are intended to serve as a surrogate for an “ozone significance threshold” (i.e., the potential for adverse O₃ impacts to occur) because O₃ itself is not emitted directly, and the effects of an individual project’s emissions of O₃ precursors (VOC and NO_x) on O₃ levels in ambient air cannot be determined through air quality models or other quantitative methods. The SCAB is also nonattainment for the state PM₁₀ and federal and state PM_{2.5} standards.

Table 2. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	Construction (Pounds per Day)	Operation (Pounds per Day)
VOCs	75	55
NO _x	100	55
CO	550	550
SO _x	150	150
PM ₁₀	150	150

Table 2. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
PM _{2.5}	55	55
Lead ^a	3	3
TACs and Odor Thresholds		
Pollutant	Thresholds	
TACs ^b	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and acute hazard index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality Standards for Criteria Pollutants ^c		
Pollutant	Ambient Air Quality Standard	
NO ₂ 1-hour average NO ₂ annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.030 ppm (state) and 0.0534 ppm (federal)	
CO 1-hour average CO 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state /federal)	
PM ₁₀ 24-hour average	SCAQMD is in attainment for the federal standard and nonattainment for the state standard; project is significant if it causes or contributes to an exceedance of the following attainment standards: 10.4 $\mu\text{g}/\text{m}^3$ (construction) ^d 2.5 $\mu\text{g}/\text{m}^3$ (operation)	
PM ₁₀ annual average	1.0 $\mu\text{g}/\text{m}^3$	
PM _{2.5} 24-hour average	SCAQMD is nonattainment for the federal and state standard; project is significant if it causes or contributes to an exceedance of the following attainment standards: 10.4 $\mu\text{g}/\text{m}^3$ (construction) ^d 2.5 $\mu\text{g}/\text{m}^3$ (operation)	

Source: SCAQMD 2019.

Notes: SCAQMD = South Coast Air Quality Management District; VOCs = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; TAC = toxic air contaminant; NO₂ = nitrogen dioxide; ppm = parts per million; $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter.

GHG emissions thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not included in this table because they will be addressed in the GHG emissions analysis and not the air quality study.

^a The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the Project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

^b TACs include carcinogens and non-carcinogens.

^c Ambient air quality standards for criteria pollutants are based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.

^d Ambient air quality thresholds are based on SCAQMD Rule 403.

In addition to the emission-based thresholds listed in Table 2, SCAQMD also recommends the evaluation of localized air quality impacts to sensitive receptors in the immediate vicinity of the Project site as a result of construction activities. Such an evaluation is referred to as a “localized significance threshold” (LST) analysis. The LST analysis focuses on

construction equipment and does not include mobile sources. Therefore, the LST analysis applies only to the construction equipment on site, not to the worker vehicles or vendor trucks. For sites of 5 acres or less, SCAQMD’s LST Methodology (2009) includes lookup tables that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance criteria (i.e., the emissions would not cause an exceedance of the applicable concentration limits for NO₂, CO, PM₁₀, and PM_{2.5}) without performing project-specific dispersion modeling. Using the SCAQMD’s “Fact Sheet for Applying CalEEMod to Localized Significance Thresholds” methodology, the Project would disturb a maximum 2 acres per day over the site preparation and substation site preparation phases.

The LST significance thresholds for NO₂ and CO represent the allowable increase in concentrations above background levels in the vicinity of a site that would not cause or contribute to an exceedance of the relevant ambient air quality standards, while the threshold for PM₁₀ represents compliance with Rule 403 (Fugitive Dust). The LST significance threshold for PM_{2.5} is intended to ensure that construction emissions do not contribute substantially to existing exceedances of the PM_{2.5} ambient air quality standards. The allowable emission rates depend on the following parameters:

- Source-receptor area (SRA) in which the site is located
- Size of the site
- Distance between the site and the nearest sensitive receptor (e.g., residences, schools, hospitals)

The Project site is located in SRA 30 (Coachella Valley). LST pollutant screening level concentration data is currently published for 1-, 2-, and 5-acre sites for varying distances. Because the Project would disturb 2-acres per day, the 2-acre LST was used. The nearest sensitive-receptor land use (a residence) is located 900 feet to the northwest of the property boundary. As such, the LST receptor distance was assumed to be 656 feet (200 meters), which is the closest distance to the actual distance to the sensitive receptor provided in the lookup tables. The LST values from the SCAQMD lookup tables for SRA 30 for a 2-acre Project site and a receptor distance of 200 meters are shown in Table 3.

Table 3. Localized Significance Thresholds for Source-Receptor Area 30 (Coachella Valley)

Pollutant	Threshold (Pounds per Day)
Construction	
NO ₂	425
CO	7,174
PM ₁₀	89
PM _{2.5}	28

Source: SCAQMD 2009.

Notes: NO₂ = nitrogen dioxide; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

Localized significance thresholds were determined based on the values for a 2-acre site at a distance of 200 meters (656 feet) from the nearest sensitive receptor.

3.2 Impact Analysis

3.2.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

The Project site is located in the SCAB, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties and all of Orange County, and is within the jurisdictional boundaries of SCAQMD.

SCAQMD administers SCAB's Air Quality Management Plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining all CAAQS and NAAQS. The most recent adopted AQMP for the SCAB is the 2016 AQMP (SCAQMD 2017), which was adopted by SCAQMD's Governing Board in March 2017. The 2016 AQMP focuses on available, proven, and cost-effective alternatives to traditional strategies while seeking to achieve multiple goals in partnership with other entities seeking to promote reductions in GHGs and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017).

The purpose of a consistency finding with regard to the AQMP is to determine whether a project is consistent with the assumptions and objectives of the regional air quality plans, and whether it would interfere with the region's ability to comply with federal and state air quality standards. SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3 of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- Whether the Project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- Whether the Project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed in Section 3.2.2 of this letter report. Detailed results of this analysis are included in Attachment A. As presented in Section 3.2.2, construction and operation of the Project would not generate criteria air pollutant emissions that exceed SCAQMD's thresholds.

The second criterion, regarding the Project's potential to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase, is primarily assessed by determining consistency between the Project site's land use designations and the Project's potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook). SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the Southern California Association of Governments (SCAG) for its Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (SCAG 2016). This document, which is based on general plans for cities and counties in the SCAB, is used by SCAQMD to develop the AQMP emissions inventory (SCAQMD 2017).² The SCAG

² Information necessary to produce the emissions inventory for the SCAB is obtained from SCAQMD and other governmental agencies, including the California Air Resources Board (CARB), California Department of Transportation (Caltrans), and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and

2016 RTP/SCS and the associated Regional Growth Forecast are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

The Project site is designated by the City as Energy Industrial (E-I) and is intended to provide areas for alternative energy development and limited industrial and cultivation uses in those areas which by virtue of strong prevailing winds are ideally suited for large-scale development of wind energy. The Project site is consistent with the existing land use designation and does not propose a change in land use designation. In addition, the implementation of the Project would not generate an increase in growth demographics that would conflict with existing projections within the region. Accordingly, the Project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

In summary, based on the considerations presented for the two criteria, impacts relating to the Project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

3.2.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a Project's individual emissions would have a cumulatively significant impact on air quality.

Construction Emissions

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road vendor and haul trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for particulate matter, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated.

CalEEMod Version 2020.4.0 was used to estimate emissions from construction of the Project. Internal combustion engines used by construction equipment, trucks, and worker vehicles would result in emissions of VOCs, NO_x, CO, PM₁₀, and PM_{2.5}. PM₁₀ and PM_{2.5} emissions would also be generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil. The Project would be required to comply with SCAQMD Rule 403 and 403.1 to control dust emissions generated during any dust-generating activities. Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active dust areas two times per day, with additional watering depending on weather conditions. The CalEEMod default assumptions were used for estimating fugitive dust emissions from grading on site. The Project

developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in its 2016 RTP/SCS are integrated into SCAQMD's 2016 AQMP (SCAQMD 2017).

would involve application of architectural coating (e.g., paint and other finishes) for painting the storage units. The contractor is required to procure architectural coatings from a supplier that complies with the requirements of SCAQMD’s Rule 1113 (Architectural Coatings). Table 4 presents the estimated maximum daily construction emissions generated during construction of the Project. Details of the emission calculations are provided in Attachment A.

Table 4. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
2024	4.70	56.55	52.63	0.22	149.61	19.53
2025	7.88	77.48	85.64	0.21	15.50	4.69
Maximum	7.88	77.48	85.64	0.22	149.61	19.53
SCAQMD Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District. Emissions include compliance with SCAQMD Rules 403 and 1113. See Attachment A for complete results.

As shown in Table 4, the Project construction would not exceed SCAQMD’s daily thresholds. Therefore, construction impacts associated with criteria air pollutant emissions would be less than significant.

Operational Emissions

Emissions from the operational phase of the Project were estimated using CalEEMod. Operational year 2025 was assumed, as it would be the first year following completion of construction. Table 5 presents the estimated emissions during operation.

Table 5. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emissions Source	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
Area	<0.01	<0.01	0.01	0.00	<0.01	<0.01
Mobile	<0.01	0.05	0.04	<0.01	6.07	0.61
Off-road	0.31	3.17	1.74	0.01	0.13	0.12
Total	0.31	3.22	1.79	0.01	6.20	0.73
SCAQMD Threshold	55	55	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District. See Attachment A for complete results. Totals may not sum precisely due to rounding. <0.01=less than 0.005.

As shown in Table 5, the Project would not exceed SCAQMD’s significance thresholds during operations. Therefore, operational impacts associated with criteria air pollutant emissions would be less than significant.

In considering cumulative impacts from a Project, the analysis must specifically evaluate the Project's contribution to the cumulative increase in pollutants for which the SCAB is designated as nonattainment for the CAAQS and NAAQS. If a project's emissions would exceed SCAQMD's significance thresholds, it would be considered to have a cumulatively considerable contribution to nonattainment status in the SCAB. If a project does not exceed thresholds and is determined to have less than significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality. The basis for analyzing the Project's cumulatively considerable contribution is if the Project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact) and consistency with SCAQMD's 2016 AQMP, which addresses cumulative emissions in the SCAB.

The SCAB has been designated as a federal nonattainment area for O₃ and PM_{2.5} and a state nonattainment area for O₃, PM₁₀, and PM_{2.5}. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction of the Project would generate VOC and NO_x emissions (which are precursors to O₃) and emissions of PM₁₀ and PM_{2.5}. As indicated in Tables 4 and 5, project-generated construction and operational emissions would not exceed SCAQMD's emission-based significance thresholds for VOC, NO_x, CO, SO₂, PM₁₀, or PM_{2.5}.

Cumulative localized impacts would potentially occur if a construction project were to occur concurrently with another off-site project. Construction schedules for potential future projects near the Project site are currently unknown; therefore, potential construction impacts associated with two or more simultaneous projects would be speculative.³ However, future projects would be subject to CEQA and would require an air quality analysis and, where necessary, mitigation if the Project would exceed SCAQMD's significance thresholds. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by SCAQMD. Cumulative PM₁₀ and PM_{2.5} emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all construction sites in the SCAQMD.

Based on the previous considerations, the Project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and cumulative impacts would be less than significant.

3.2.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Localized Significance Thresholds

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, older people, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent

³ The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145). This discussion is nonetheless provided in an effort to show good-faith analysis and to comply with CEQA's information disclosure requirements.

centers, and retirement homes (SCAQMD 1993). The nearest sensitive-receptor land use (a residence) is located approximately 900 feet northwest of the Project site boundary.

Construction activities associated with the Project would result in temporary sources of on-site fugitive dust and construction equipment emissions. Off-site emissions from vendor trucks and worker vehicle trips are not included in the LST analysis. The maximum allowable daily emissions that would satisfy the SCAQMD LST criteria for SRA 30 are presented in Table 6 and compared to the maximum daily on-site construction emissions.

Table 6. Localized Significance Thresholds Analysis for Project Construction Project construction

Pollutant	Project Construction Emissions (Pounds per Day)	LST Criteria (Pounds per Day)	Exceeds LST?
NO ₂	70.99	425	No
CO	82.41	7,174	No
PM ₁₀	8.33	89	No
PM _{2.5}	4.88	28	No

Source: SCAQMD 2009.

Notes: LST = localized significance threshold; NO₂ = nitrogen dioxide; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Attachment A for detailed results.

LSTs are shown for 2-acre site at a distance of 200 meters (656 feet) for SRA 30 (Coachella Valley).

These estimates reflect control of fugitive dust required by SCAQMD Rule 403 and 403.1.

The emissions represent worst-case operating scenario during construction.

As shown in Table 6, the Project’s estimated construction emissions would not exceed the established LSTs; therefore, the Project would result in a less than significant localized impact to sensitive receptors during construction.

CO Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed CO “hotspots.” CO transport is extremely limited and disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (LOS) (LOS E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots.

Title 40 of the Code of Federal Regulations, Section 93.123(c)(5), Procedures for Determining Localized CO, PM₁₀, and PM_{2.5} Concentrations (Hot-Spot Analysis), states that “CO, PM₁₀, and PM_{2.5} hot-spot analyses are not required to consider construction-related activities, which cause temporary increases in emissions. Each site which is affected by construction-related activities shall be considered separately, using established ‘Guideline’ methods. Temporary increases are defined as those which occur only during the construction phase and last five years or less at any individual site” (40 CFR 93.123). While Project construction would involve on-road vehicle trips from trucks and workers during

construction, construction activities would last approximately 15 months and would not require a project-level construction hotspot analysis.

Mobile source impacts occur on two scales of motion. Regionally, project-related travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SCAB. Locally, project-generated traffic would be added to the City's roadway system near the Project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing.

Therefore, it is concluded that a quantitative CO hotspots analysis is not required. The construction-related traffic is not anticipated to create a CO hotspot as emissions would be dispersed rapidly and would not be concentrated. During operation, the Project is expected to generate minimal vehicle trips for maintenance personnel, and therefore, no CO hotspots would be created.

As such, impacts to sensitive receptors with regard to potential CO hotspots resulting from the Project's contribution to cumulative traffic-related air quality impacts would be less than significant.

Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (immediate) and/or chronic (cumulative) non-cancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). TACs are identified by federal and state agencies based on a review of available scientific evidence. In the state of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the State Legislature in 1987 to address public concern over the release of TACs into the atmosphere.

Examples of TACs include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Project construction would result in emissions of diesel particulate matter from heavy construction equipment and trucks accessing the site. Diesel particulate matter is characterized as a TAC by the State of California. OEHHA has identified carcinogenic and chronic non-carcinogenic effects from long-term exposure but has not identified health effects due to short-term exposure to diesel exhaust. According to OEHHA, health risk assessments (HRAs), which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period for the maximally exposed individual resident; however, such assessments should be limited to the period/duration of activities associated with the Project. Thus, the duration of the proposed construction activities would constitute

only a small percentage of the total 30-year exposure period. Due to this relatively short period of exposure (15 months), proximity to sensitive receptors, and minimal particulate emissions on site, TACs generated by the Project would not result in concentrations causing significant health risks. Overall, the Project would not result in substantial TAC exposure to sensitive receptors in the vicinity of the Project site, and impacts would be less than significant.

Additionally, the health risk public-notification thresholds adopted by the SCAQMD Board is 10 excess cancer cases in a million for cancer risk and a hazard index of more than one (1.0) for non-cancer risk. The hazard index of more than 1.0 means that predicted levels of a toxic pollutant are greater than the reference exposure level, which is considered the level below which adverse health effects are not expected. Examples of projects that emit toxic pollutants over long-term operations include oil and gas processing, gasoline dispensing, dry cleaning, electronic and parts manufacturing, medical equipment sterilization, freeways, and rail yards (SCAQMD 2017). The Project would not emit TACs during normal operations and TACs are not anticipated to be generated at the Project site; as such, a formal HRA will not be required for the Project. Accordingly, the Project is not anticipated to result in emissions that would exceed the SCAQMD Board-adopted health risk notification thresholds. Therefore, the Project would not expose sensitive receptors to substantial TAC emissions during construction or operation and impacts would be less than significant.

Valley Fever

Coccidioidomycosis, more commonly known as “Valley Fever,” is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. The ecologic factors that appear to be most conducive to survival and replication of the spores are high summer temperatures, mild winters, sparse rainfall, and alkaline, sandy soils.

Riverside County is not considered a highly endemic region for Valley Fever as the latest report from the California Department of Public Health listed Riverside County as having 2.7 cases per 100,000 people (California Department of Public Health 2017). Similarly, among the total reported incidents of Valley Fever in Riverside County in 2015, only 2.8% of the cases were in Palm Springs (Riverside University Health System Public Health 2016). The Project will also employ dust mitigation measures by watering three times per day and limiting speed on unpaved roads to 15 miles per hour. The Project will also be constructed in accordance with the SCAQMD Rules 403 and 403.1, which limits the amount of fugitive dust generated during construction. As previously mentioned, the nearest sensitive-receptor land use (existing residents) is located approximately 900 feet from the closest area of disturbance. Therefore, the Project would have a less-than-significant impact with respect to Valley Fever exposure for sensitive receptors.

Health Impacts of Criteria Air Pollutants

Construction of the Project would generate criteria air pollutant emissions; however, the Project would not exceed the SCAQMD mass-emission thresholds.

The SCAB is designated as nonattainment for O₃ for the NAAQS and CAAQS. Thus, existing O₃ levels in the SCAB are at unhealthy levels during certain periods. The health effects associated with O₃ generally relate to reduced lung function. Because the Project would not involve construction activities that would result in O₃ precursor emissions (VOC or NO_x) that would exceed the SCAQMD thresholds, the Project is not anticipated to substantially contribute to regional O₃ concentrations and associated health impacts. Similar to construction, no SCAQMD threshold would be exceeded during operation.

In addition to O₃, NO_x emissions contribute to potential exceedances of the NAAQS and CAAQS for NO₂ (since NO₂ is a constituent of NO_x). Exposure to NO₂ can cause lung irritation, bronchitis, and pneumonia, and can lower resistance to respiratory infections. As depicted in Table 4, Project construction would not exceed the SCAQMD localized thresholds for NO₂. Thus, construction of the Project is not expected to exceed the NO₂ standards or contribute to associated health effects.

CO tends to be a localized impact associated with congested intersections. CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less than significant impact. Thus, the Project's CO emissions would not contribute to the health effects associated with this pollutant.

The SCAB is designated as nonattainment for PM₁₀ under the CAAQS and nonattainment for PM_{2.5} under the NAAQS and CAAQS. Particulate matter contains microscopic solids or liquid droplets that are so small they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing (EPA 2016). The Project would not generate emissions of PM₁₀ or PM_{2.5} that would exceed SCAQMD's LSTs. Accordingly, the Project's PM₁₀ and PM_{2.5} emissions are not expected to cause any increase in related localized or regional health effects for these pollutants.

In summary, the Project would not result in any potentially significant contribution to local or regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Impacts would be less than significant.

3.2.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speed and direction; and the sensitivity of receiving location all contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the Project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and asphalt pavement application. Such odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities (SCAQMD 1993). The Project would not create any new sources of odor during operation. Therefore, Project operations would result in an odor impact that would be less than significant.

4 Greenhouse Gas Emissions Assessment

4.1 Thresholds of Significance

The State of California has developed guidelines to address the significance of GHG emissions impacts based on Appendix G of the CEQA Guidelines. This analysis applies the recommended SCAQMD numeric GHG emissions thresholds to determine the potential for the Project to generate GHG emissions, either directly or indirectly, that would have a significant impact on the environment.

In October 2008, SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008a). This guidance document, which builds on the previous guidance prepared by the CAPCOA, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_{2e} per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (SCAQMD 2008b).

SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

- Tier 1** Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.
- Tier 2** Consider whether or not the Project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.
- Tier 3** Consider whether the Project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_{2e} per year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_{2e} per year), commercial projects (1,400 MT CO_{2e} per year), and mixed-use projects (3,000 MT CO_{2e} per year). Under option 2, a single numerical screening threshold of 3,000 MT CO_{2e} per year would be used for all non-industrial projects. If the Project generates emissions in excess of the applicable screening threshold, move to Tier 4.
- Tier 4** Consider whether the Project generates GHG emissions in excess of applicable performance standards for the Project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO_{2e} per service population for project level analyses and 6.6 MT CO_{2e}

per service population for plan level analyses. If the Project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5 Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the Project efficiency target to Tier 4 levels.

Because the Project consists of an energy storage facility, this analysis applies the recommended SCAQMD threshold of 3,000 MT CO₂e per year for all non-industrial projects. Per the SCAQMD guidance, construction emissions should be amortized over the operational life of the Project, which is assumed to be 30 years (SCAQMD 2008a). This impact analysis, therefore, adds amortized construction emissions to the estimated annual operational emissions and then compares operational emissions to the proposed SCAQMD threshold of 3,000 MT CO₂e per year.

4.2 Impact Analysis

4.2.1 Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Construction Emissions

Construction of the Project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road vendor and haul trucks, and worker vehicles. CalEEMod was used to estimate GHG emissions during construction. Construction of the Project is anticipated to last up to 15 months. Table 7 presents construction GHG emissions for the Project.

Table 7. Estimated Annual Construction GHG Emissions

Year	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons			
2024	941.09	0.10	0.07	965.62
2025	1,276.34	0.25	0.05	1,296.61
Total				2,262.23
Annualized emissions over 30 years (metric tons per year)				75.41

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent. See Attachment A for complete results.

As shown in Table 7, the estimated total GHG emissions during construction of the Project would be approximately 2,262 MT CO₂e. Estimated project-generated construction emissions amortized over 30 years would be approximately 75 MT CO₂e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the Project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is determined by adding the amortized construction emissions to the operational emissions and comparing them to the operational threshold.

Operational Emissions

CalEEMod was used to estimate potential project-generated operational GHG emissions from energy sources (electricity), mobile sources, and off-road equipment. For additional details, see Section 2.2 for a discussion of operational emission calculation methodology and assumptions. Operational year 2025 was assumed as the first year of operation. Table 8 shows the estimated operational GHG emissions from the Project.

Table 8. Estimated Annual Operation GHG Emissions

Emissions Source	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
Energy	834.29	0.07	0.01	838.59
Mobile	1.32	<0.01	<0.01	1.38
Off-road	0.25	<0.01	0.00	0.26
<i>Amortized construction emissions</i>				75.41
Total				915.63
<i>SCAQMD Threshold</i>				3,000
Threshold Exceeded?				No

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent; SCAQMD = South Coast Air Quality Management District. See Attachment A for complete results.

As shown in Table 8, the estimated total GHG emissions during operation of the Project would be approximately 916 MT CO₂e per year, including amortized construction emissions. The Project would not exceed the SCAQMD threshold of 3,000 MT CO₂e per year. Projects below this significance criterion have a minimal contribution to global emissions and are considered to have less than significant impacts. Therefore, operational impacts associated with directly or indirectly generating a significant quantity of GHG emissions would be less than significant.

4.2.2 Would the Project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Consistency with the City of Palm Springs' Climate Action Plan

The City's Climate Action Plan (CAP) is not a qualified GHG reduction plan according to CEQA Guidelines Section 15183.5 and thus cannot be used in a cumulative impacts analysis to determine significance. Therefore, this discussion of consistency is for informational purposes only. Table 9 provides an overview of the measures and goals within the CAP that are applicable to the Project and the Project's consistency with them. As shown in Table 9, the Project does not conflict with any of the GHG reducing measures or goals within the CAP and thus is consistent with the plan. It should also be noted that the Project would not inhibit the City from implementing any of the measures not listed in Table 9, as they do not apply to the Project.

Table 9. Project Consistency with the Climate Action Plan Greenhouse Gas Emission Reduction Strategies

Sphere	Climate Action Plan Measure	Project Consistency
Where we live - 10	Solid Waste Diversion: Increase solid waste diversion rate by 5% to 80.1% by 2015 potentially through awareness programs, recognition and other financial instruments	Consistent. The Project would divert as much solid waste as possible in accordance with state and local regulations.
Where we live - 11	Solid Waste Diversion: Increase solid waste diversion rate by an additional 10% to 90.1% by 2020 potentially through awareness programs, recognition and other financial instruments	Consistent. The Project would divert as much solid waste as possible in accordance with state and local regulations.
Where we work - 2	Peak Demand Reduction: Collaborate with SCE and encourage 100 businesses to enroll in Energy Efficiency and Demand Response programs such as the Summer Discount Program	Consistent. The Project would provide demand response through up to 400 MWh of local electricity.
How we build - 6	Green Building Program: Adopt the Voluntary Green Building Program to prepare for enhanced Title 24 requirements and green building standards	Consistent. The Project would be constructed in accordance with the Title 24 building code adopted at the time of construction.
How we build - 7	Green Building Support Services: Advance the Voluntary Green Building Program to mandatory green building requirement with technical support services	Consistent. The Project would be constructed in accordance with the Title 24 building code adopted at the time of construction.
How we get around - 13	Anti-Idling: Pass ordinance that restricts idling (in specific City zones) of greater than 5 minutes for all commercial vehicles	Consistent. The Project's vehicles will limit idling during construction to no longer than 5 minutes.

Source: City of Palm Springs 2013.

Consistency with the 2016 SCAG RTP/SCS and the 2016 SCAQMD AQMP

SCAG's 2016 RTP/SCS is a regional growth-management strategy that targets per capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region. The 2016 RTP/SCS incorporates local land use projections and circulation networks in city and county general plans. Typically, a project would be consistent with the RTP/SCS if the Project does not exceed the underlying growth assumptions within the RTP/SCS. Because the Project is not growth inducing, this type of consistency analysis does not apply. However, the major goals of the 2016 RTP/SCS are outlined in Table 10, along with the Project's consistency with them.

Table 10. Project Consistency with the 2016 SCAG RTP/SCS

RTP/SCS Measure	Project Consistency
Improve Air Quality and GHG	Consistent. The Project would result in criteria air pollutant and GHG emissions during construction and operation. However, emissions would not exceed the SCAQMD significance thresholds. The Project would also support the use and storage of renewable energy sources and would help the state to decarbonize the electrical grid.
Preserve Natural Lands	Consistent. The Project site is currently developed with wind turbine generators and would not disturb undeveloped land.

Source: SCAG 2016.

Notes: SCAG = Southern California Association of Governments; RTP/SCS = Regional Transportation Plan/Sustainable Communities Strategy.

As shown in Table 10, the Project would not conflict with the goals in SCAG’s 2016 RTP/SCS. While striving to achieve the NAAQS for O₃ and PM_{2.5} and the CAAQS for O₃, PM₁₀, and PM_{2.5} through a variety of air quality control measures, the SCAQMD 2016 AQMP also accommodates planned growth in the SCAB. Projects are considered consistent with, and would not conflict with or obstruct implementation of, the AQMP if the growth in socioeconomic factors (e.g., population, employment) is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook). As discussed in Section 3.2.1, the demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by SCAG for their 2016–2040 RTP/SCS, which are based on general plans for cities and counties in the SCAB, were used to estimate future emissions in the 2016 AQMP (SCAQMD 2017). Accordingly, the 2016 AQMP is generally consistent with local government plans. The Project does not have growth-inducing components and thus would not conflict with the growth projections within the 2016 AQMP. Therefore, the Project would be consistent with the goals of the 2016 AQMP.

On May 7, 2020, SCAG’s Regional Council adopted Connect SoCal (2020–2045 Regional Transportation Plan/Sustainable Communities Strategy) for federal transportation conformity purposes only. In light of the COVID-19 pandemic, the Regional Council will consider approval of Connect SoCal in its entirety and for all other purposes within 120 days from May 7, 2020.

Connect SoCal is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. It charts a path toward a more mobile, sustainable and prosperous region by making connections between transportation networks, between planning strategies and between the people whose collaboration can improve the quality of life for Southern Californians. Because the Project is not growth inducing, this type of consistency analysis does not apply. However, the major goals of the Connect SoCal are outlined in Table 11, along with the Project’s consistency with them.

Table 11. Project Consistency with the 2020 SCAG RTP/SCS – Connect SoCal

RTP/SCS Measure	Project Consistency
Reduce greenhouse gas emissions and improve air quality.	Consistent. The Project would result in criteria air pollutant and GHG emissions during construction and operation. However, emissions would not exceed the SCAQMD significance thresholds. The Project would also support the use and storage of renewable energy sources.
Adapt to a changing climate and support an integrated regional development pattern and transportation network.	Consistent. The Project would support the use and storage of renewable energy sources, supporting the adaptation to a changing climate.
Promote conservation of natural and agricultural lands and restoration of habitats.	Consistent. The Project would not impact natural lands during construction or operation.

Source: SCAG 2020.

Notes: SCAG = Southern California Association of Governments; RTP/SCS = Regional Transportation Plan/Sustainable Communities Strategy.

As shown in Table 11, the Project would be consistent with all applicable measures within the SCAG Connect SoCal RTP/SCS.

Consistency with the California Air Resources Board Scoping Plan

The California Air Resources Board (CARB) Scoping Plan (approved by CARB in 2008 and updated in 2014 and 2017) provides a framework for actions to reduce California’s GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHG emissions. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.⁴ It does provide recommendations for lead agencies to develop evidence-based numeric thresholds consistent with the Scoping Plan, the state’s long-term GHG goals, and climate change science. Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California’s GHG emissions. Table 12 highlights measures that have been, or will be, developed under the Scoping Plan and presents the Project’s consistency with Scoping Plan measures. The Project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the Project.

⁴ The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that “[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan” (CNRA 2009).

Table 12. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Transportation Sector		
Advanced Clean Cars	T-1	Consistent. The Project’s employees would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
Low Carbon Fuel Standard	T-2	Consistent. Motor vehicles driven by the Project’s employees would use compliant fuels.
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	Consistent. The Project would be constructed in accordance with CALGreen and Title 24 building standards.
Energy Efficiency (Natural Gas)	CR-1	Consistent. The Project would be constructed in accordance with CALGreen and Title 24 building standards.
Renewables Portfolio Standard (33% by 2020)	E-3	Consistent. The Project would support the development of renewable energy through energy storage.
Renewables Portfolio Standard (50% by 2050)	N/A	Consistent. The Project would support the development of renewable energy through energy storage.
Recycling and Waste Management Sector		
Mandatory Commercial Recycling	RW-3	Consistent. The Project would include recycling during both construction and operation.
High GWP Gases Sector		
SF ₆ Leak Reduction Gas Insulated Switchgear	H-6	Consistent. The Project would not use SF ₆ in its switchgear or substation equipment.

Source: CARB 2008, 2017.

Notes: GHG = greenhouse gas; CARB = California Air Resources Board; N/A = not applicable; VMT = vehicle miles traveled; CALGreen = California Green Building Standards; SB = Senate Bill; GWP = global warming potential; SF₆ = sulfur hexafluoride.

Based on the analysis in Table 12, the Project would be consistent with the applicable strategies and measures in the Scoping Plan.

The Project would not impede the attainment of the GHG reduction goals for 2030 or 2050 identified in Executive Order (EO) S-03-05 and SB 32. EO S-03-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes for a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. While there are no established protocols or thresholds of significance for that future year analysis, CARB forecasts that compliance with the current Scoping Plan puts the state on a trajectory toward meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

To begin, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan that “California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32” (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the First Update to the Climate Change Scoping Plan states the following (CARB 2014):

This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and EO S-03-05. This is confirmed in the Second Update (CARB 2017), which states:

The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasibility and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB 32, and AB 197.

The Project would not interfere with implementation of any of the previously described GHG reduction goals for 2030 or 2050 because the Project would not exceed SCAQMD’s recommended screening threshold of 3,000 MT CO₂e per year (SCAQMD 2008a). Because the Project would not exceed the threshold, this analysis provides support for the conclusion that the Project would not impede the state’s trajectory toward the previously described statewide GHG reduction goals for 2030 or 2050.

As discussed previously, the Project is consistent with the GHG emission reduction measures in the Scoping Plan and would not conflict with the state’s trajectory toward future GHG reductions. In addition, since the specific path to compliance for the state in regard to the long-term goals will likely require development of technology or other changes that are not currently known or available, specific additional mitigation measures for the Project would be speculative and cannot be identified at this time. The Project’s consistency would assist in meeting the City’s contribution to GHG emission reduction targets in California. With respect to future GHG targets under SB 32 and EO S-03-05, CARB has also made clear its legal interpretation is that it has the requisite authority to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet SB 32’s 40% reduction target by 2030 and EO S-03-05’s 80% reduction target by 2050; this legal interpretation by an expert agency provides evidence that future regulations will be adopted to allow the state to continue on its trajectory toward meeting these future GHG targets. Based on the considerations previously outlined, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and no mitigation is required. Therefore, the Project’s impact associated with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs would be less than significant.

Ms. Patti Murphy

Subject: Desert Peak Energy Center Phase 2 Project Air Quality and Greenhouse Gas Emissions Study

5 Conclusions

Criteria air pollutant emissions generated during construction and operation of the Project would not exceed SCAQMD's significance thresholds or result in a cumulatively considerable net increase in emissions. Similarly, the emissions would also not exceed the LST significance thresholds for sensitive receptors during construction or create a CO hotspot.

Estimated total GHG emissions generated during operation, including amortized construction emissions, would be below SCAQMD's threshold of 3,000 MT CO_{2e} per year. The Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, as there are currently no mandatory GHG regulations or finalized agency guidelines that would apply to implementation of this project. Accordingly, potential cumulative GHG impacts would be less than significant.

Overall, the Project would not result in significant impacts to air quality or GHG emissions.

Sincerely,



Adam Poll, QEP, LEED AP BD+C
Senior Air Quality Specialist

Cc: Jennifer Sucha, Dudek

Att: A - CalEEMod Emissions Outputs

6 References

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Attachment A

CalEEMod Emissions Outputs

Table of Contents

Annual	2
Summer	47
Winter	87
Summer	127
Winter	167

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project Phase 2
Salton Sea Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	118.08	1000sqft	2.71	118,080.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of battery containers for project.

Construction Phase - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided data.

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information.

Architectural Coating -

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Consumer Products - No consumer product use.

Area Coating - No architectural coatings during operation.

Landscape Equipment - No landscaping.

Energy Use - CalEEMod defaults, no natural gas.

Water And Wastewater - No water use.

Solid Waste - No solid waste.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided information.

Fleet Mix - Worker vehicles and vendor trucks only.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	10.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	3.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	220.00	88.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	220.00	29.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.9100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.8720e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.8100e-004	0.00
tblFleetMix	SBUS	9.0200e-004	0.00
tblFleetMix	UBUS	2.3000e-004	0.00
tblGrading	MaterialImported	0.00	57,416.00
tblGrading	MaterialImported	0.00	57,416.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	111.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	7,178.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	7,178.00
tblTripsAndVMT	HaulingTripNumber	0.00	492.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	19.00	4.00
tblTripsAndVMT	VendorTripNumber	19.00	2.00
tblTripsAndVMT	VendorTripNumber	19.00	20.00
tblTripsAndVMT	VendorTripNumber	19.00	2.00
tblTripsAndVMT	WorkerTripNumber	20.00	40.00
tblTripsAndVMT	WorkerTripNumber	10.00	40.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	10.00
tblTripsAndVMT	WorkerTripNumber	50.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	8.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	27,306,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2909	3.3658	3.1674	0.0103	5.4559	0.1185	5.5745	0.6988	0.1122	0.8109	0.0000	941.0911	941.0911	0.1040	0.0736	965.6202
2025	0.5194	5.3023	5.6897	0.0143	1.2772	0.2223	1.4995	0.1601	0.2070	0.3671	0.0000	1,276.3402	1,276.3402	0.2535	0.0468	1,296.6120
Maximum	0.5194	5.3023	5.6897	0.0143	5.4559	0.2223	5.5745	0.6988	0.2070	0.8109	0.0000	1,276.3402	1,276.3402	0.2535	0.0736	1,296.6120

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2909	3.3658	3.1674	0.0103	3.3650	0.1185	3.4835	0.4237	0.1122	0.5358	0.0000	941.0905	941.0905	0.1040	0.0736	965.6196
2025	0.5194	5.3023	5.6897	0.0143	0.8508	0.2223	1.0731	0.1174	0.2070	0.3244	0.0000	1,276.3391	1,276.3391	0.2535	0.0468	1,296.6109
Maximum	0.5194	5.3023	5.6897	0.0143	3.3650	0.2223	3.4835	0.4237	0.2070	0.5358	0.0000	1,276.3391	1,276.3391	0.2535	0.0736	1,296.6109

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	37.39	0.00	35.59	37.00	0.00	26.97	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-3-2024	9-2-2024	2.3243	2.3243
2	9-3-2024	12-2-2024	1.4754	1.4754
3	12-3-2024	3-2-2025	2.1583	2.1583
4	3-3-2025	6-2-2025	2.4157	2.4157
5	6-3-2025	9-2-2025	1.7032	1.7032
		Highest	2.4157	2.4157

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	834.2879	834.2879	0.0704	8.5400e-003	838.5919
Mobile	1.2000e-004	2.5000e-003	1.7700e-003	1.0000e-005	0.3157	3.0000e-005	0.3158	0.0315	3.0000e-005	0.0315	0.0000	1.3221	1.3221	1.0000e-005	1.8000e-004	1.3754
Offroad	1.6000e-004	1.5800e-003	8.7000e-004	0.0000		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-004	4.0800e-003	2.6400e-003	1.0000e-005	0.3157	1.0000e-004	0.3158	0.0315	9.0000e-005	0.0316	0.0000	835.8635	835.8635	0.0705	8.7200e-003	840.2228

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	834.2879	834.2879	0.0704	8.5400e-003	838.5919
Mobile	1.2000e-004	2.5000e-003	1.7700e-003	1.0000e-005	0.3157	3.0000e-005	0.3158	0.0315	3.0000e-005	0.0315	0.0000	1.3221	1.3221	1.0000e-005	1.8000e-004	1.3754
Offroad	1.6000e-004	1.5800e-003	8.7000e-004	0.0000		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-004	4.0800e-003	2.6400e-003	1.0000e-005	0.3157	1.0000e-004	0.3158	0.0315	9.0000e-005	0.0316	0.0000	835.8635	835.8635	0.0705	8.7200e-003	840.2228

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2024	6/14/2024	5	10	
2	Substation Site Preparation	Site Preparation	6/3/2024	7/2/2024	5	22	

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3	Trenching	Trenching	6/3/2024	7/2/2024	5	22
4	Grading	Grading	7/3/2024	8/1/2024	5	22
5	Substation Grading	Grading	8/2/2024	9/2/2024	5	22
6	Battery/Container Installation	Building Construction	9/3/2024	1/2/2025	5	88
7	Gen-tie foundation and tower erection	Building Construction	1/3/2025	1/9/2025	5	5
8	Substation Installation	Building Construction	1/3/2025	8/6/2025	5	154
9	Gen-tie stringing and pulling	Building Construction	1/10/2025	2/19/2025	5	29

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie foundation and tower erection	Air Compressors	1	8.00	78	0.48
Gen-tie foundation and tower erection	Cranes	1	4.00	231	0.29
Gen-tie foundation and tower erection	Forklifts	1	8.00	89	0.20
Gen-tie foundation and tower erection	Generator Sets	1	8.00	84	0.74
Gen-tie foundation and tower erection	Pumps	1	8.00	84	0.74

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Gen-tie foundation and tower erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie foundation and tower erection	Welders	1	8.00	46	0.45
Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	40.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	40.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	12	40.00	2.00	7,178.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	40.00	2.00	7,178.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Battery/Container Installation	22	40.00	4.00	492.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie foundation and tower erection	6	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	40.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0876	0.0677	1.8000e-004		3.0600e-003	3.0600e-003		2.8100e-003	2.8100e-003	0.0000	15.8608	15.8608	5.1300e-003	0.0000	15.9891
Total	8.1500e-003	0.0876	0.0677	1.8000e-004	5.3000e-003	3.0600e-003	8.3600e-003	5.7000e-004	2.8100e-003	3.3800e-003	0.0000	15.8608	15.8608	5.1300e-003	0.0000	15.9891

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	3.3000e-004	1.7000e-004	0.0000	6.5200e-003	0.0000	6.5200e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.1564	0.1564	0.0000	2.0000e-005	0.1629
Worker	7.8000e-004	5.0000e-004	6.7300e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6586	1.6586	4.0000e-005	4.0000e-005	1.6730
Total	7.9000e-004	8.3000e-004	6.9000e-003	2.0000e-005	8.7100e-003	1.0000e-005	8.7200e-003	1.2400e-003	1.0000e-005	1.2500e-003	0.0000	1.8150	1.8150	4.0000e-005	6.0000e-005	1.8359

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0876	0.0677	1.8000e-004		3.0600e-003	3.0600e-003		2.8100e-003	2.8100e-003	0.0000	15.8608	15.8608	5.1300e-003	0.0000	15.9890
Total	8.1500e-003	0.0876	0.0677	1.8000e-004	2.3900e-003	3.0600e-003	5.4500e-003	2.6000e-004	2.8100e-003	3.0700e-003	0.0000	15.8608	15.8608	5.1300e-003	0.0000	15.9890

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	3.3000e-004	1.7000e-004	0.0000	4.0100e-003	0.0000	4.0200e-003	4.1000e-004	0.0000	4.1000e-004	0.0000	0.1564	0.1564	0.0000	2.0000e-005	0.1629
Worker	7.8000e-004	5.0000e-004	6.7300e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6586	1.6586	4.0000e-005	4.0000e-005	1.6730
Total	7.9000e-004	8.3000e-004	6.9000e-003	2.0000e-005	6.2000e-003	1.0000e-005	6.2200e-003	9.9000e-004	1.0000e-005	1.0000e-003	0.0000	1.8150	1.8150	4.0000e-005	6.0000e-005	1.8359

3.3 Substation Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1442	0.0000	0.1442	0.0741	0.0000	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1887	0.1181	2.6000e-004		8.5300e-003	8.5300e-003		7.8500e-003	7.8500e-003	0.0000	22.5276	22.5276	7.2900e-003	0.0000	22.7098
Total	0.0185	0.1887	0.1181	2.6000e-004	0.1442	8.5300e-003	0.1527	0.0741	7.8500e-003	0.0819	0.0000	22.5276	22.5276	7.2900e-003	0.0000	22.7098

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4600e-003	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	1.7100e-003	1.1100e-003	0.0148	4.0000e-005	4.8300e-003	2.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.6490	3.6490	9.0000e-005	1.0000e-004	3.6805
Total	1.7400e-003	1.8400e-003	0.0152	4.0000e-005	0.0192	3.0000e-005	0.0192	2.7300e-003	3.0000e-005	2.7600e-003	0.0000	3.9930	3.9930	9.0000e-005	1.5000e-004	4.0389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0649	0.0000	0.0649	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1887	0.1181	2.6000e-004		8.5300e-003	8.5300e-003		7.8500e-003	7.8500e-003	0.0000	22.5276	22.5276	7.2900e-003	0.0000	22.7097
Total	0.0185	0.1887	0.1181	2.6000e-004	0.0649	8.5300e-003	0.0734	0.0333	7.8500e-003	0.0412	0.0000	22.5276	22.5276	7.2900e-003	0.0000	22.7097

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	1.7100e-003	1.1100e-003	0.0148	4.0000e-005	4.8300e-003	2.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.6490	3.6490	9.0000e-005	1.0000e-004	3.6805
Total	1.7400e-003	1.8400e-003	0.0152	4.0000e-005	0.0137	3.0000e-005	0.0137	2.1800e-003	3.0000e-005	2.2100e-003	0.0000	3.9930	3.9930	9.0000e-005	1.5000e-004	4.0389

3.4 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.1014	0.1062	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.5522	12.5522	4.0600e-003	0.0000	12.6537
Total	0.0107	0.1014	0.1062	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.5522	12.5522	4.0600e-003	0.0000	12.6537

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4600e-003	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	3.4000e-004	2.2000e-004	2.9600e-003	1.0000e-005	9.7000e-004	0.0000	9.7000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7298	0.7298	2.0000e-005	2.0000e-005	0.7361
Total	3.7000e-004	9.5000e-004	3.3300e-003	1.0000e-005	0.0153	1.0000e-005	0.0153	1.7100e-003	1.0000e-005	1.7200e-003	0.0000	1.0738	1.0738	2.0000e-005	7.0000e-005	1.0945

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.1014	0.1062	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.5522	12.5522	4.0600e-003	0.0000	12.6536
Total	0.0107	0.1014	0.1062	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.5522	12.5522	4.0600e-003	0.0000	12.6536

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	3.4000e-004	2.2000e-004	2.9600e-003	1.0000e-005	9.7000e-004	0.0000	9.7000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7298	0.7298	2.0000e-005	2.0000e-005	0.7361
Total	3.7000e-004	9.5000e-004	3.3300e-003	1.0000e-005	9.8000e-003	1.0000e-005	9.8100e-003	1.1600e-003	1.0000e-005	1.1700e-003	0.0000	1.0738	1.0738	2.0000e-005	7.0000e-005	1.0945

3.5 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0174	0.0000	0.0174	2.1300e-003	0.0000	2.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2317	0.1943	4.7000e-004		8.7100e-003	8.7100e-003		8.0300e-003	8.0300e-003	0.0000	40.6542	40.6542	0.0130	0.0000	40.9791
Total	0.0220	0.2317	0.1943	4.7000e-004	0.0174	8.7100e-003	0.0261	2.1300e-003	8.0300e-003	0.0102	0.0000	40.6542	40.6542	0.0130	0.0000	40.9791

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4700e-003	0.3802	0.1093	1.9200e-003	2.3577	4.2800e-003	2.3620	0.2460	4.0900e-003	0.2501	0.0000	184.9444	184.9444	1.3200e-003	0.0291	193.6482
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4600e-003	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	1.7100e-003	1.1100e-003	0.0148	4.0000e-005	4.8300e-003	2.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.6490	3.6490	9.0000e-005	1.0000e-004	3.6805
Total	0.0102	0.3820	0.1244	1.9600e-003	2.3769	4.3100e-003	2.3812	0.2487	4.1200e-003	0.2529	0.0000	188.9375	188.9375	1.4100e-003	0.0293	197.6871

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.8200e-003	0.0000	7.8200e-003	9.6000e-004	0.0000	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2317	0.1943	4.7000e-004		8.7100e-003	8.7100e-003		8.0300e-003	8.0300e-003	0.0000	40.6541	40.6541	0.0130	0.0000	40.9791
Total	0.0220	0.2317	0.1943	4.7000e-004	7.8200e-003	8.7100e-003	0.0165	9.6000e-004	8.0300e-003	8.9900e-003	0.0000	40.6541	40.6541	0.0130	0.0000	40.9791

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4700e-003	0.3802	0.1093	1.9200e-003	1.4673	4.2800e-003	1.4715	0.1570	4.0900e-003	0.1611	0.0000	184.9444	184.9444	1.3200e-003	0.0291	193.6482
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	1.7100e-003	1.1100e-003	0.0148	4.0000e-005	4.8300e-003	2.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.6490	3.6490	9.0000e-005	1.0000e-004	3.6805
Total	0.0102	0.3820	0.1244	1.9600e-003	1.4809	4.3100e-003	1.4852	0.1591	4.1200e-003	0.1633	0.0000	188.9375	188.9375	1.4100e-003	0.0293	197.6871

3.6 Substation Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1499	0.0000	0.1499	0.0750	0.0000	0.0750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2222	0.1588	3.1000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	27.5999	27.5999	8.9300e-003	0.0000	27.8230
Total	0.0217	0.2222	0.1588	3.1000e-004	0.1499	0.0103	0.1602	0.0750	9.4800e-003	0.0844	0.0000	27.5999	27.5999	8.9300e-003	0.0000	27.8230

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4700e-003	0.3802	0.1093	1.9200e-003	2.3577	4.2800e-003	2.3620	0.2460	4.0900e-003	0.2501	0.0000	184.9444	184.9444	1.3200e-003	0.0291	193.6482
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	0.0144	1.0000e-005	0.0144	1.4500e-003	1.0000e-005	1.4600e-003	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	1.7100e-003	1.1100e-003	0.0148	4.0000e-005	4.8300e-003	2.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.6490	3.6490	9.0000e-005	1.0000e-004	3.6805
Total	0.0102	0.3820	0.1244	1.9600e-003	2.3769	4.3100e-003	2.3812	0.2487	4.1200e-003	0.2529	0.0000	188.9375	188.9375	1.4100e-003	0.0293	197.6871

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0674	0.0000	0.0674	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2222	0.1588	3.1000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	27.5998	27.5998	8.9300e-003	0.0000	27.8230
Total	0.0217	0.2222	0.1588	3.1000e-004	0.0674	0.0103	0.0777	0.0337	9.4800e-003	0.0432	0.0000	27.5998	27.5998	8.9300e-003	0.0000	27.8230

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4700e-003	0.3802	0.1093	1.9200e-003	1.4673	4.2800e-003	1.4715	0.1570	4.0900e-003	0.1611	0.0000	184.9444	184.9444	1.3200e-003	0.0291	193.6482
Vendor	3.0000e-005	7.3000e-004	3.7000e-004	0.0000	8.8300e-003	1.0000e-005	8.8400e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	0.3440	0.3440	0.0000	5.0000e-005	0.3584
Worker	1.7100e-003	1.1100e-003	0.0148	4.0000e-005	4.8300e-003	2.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.6490	3.6490	9.0000e-005	1.0000e-004	3.6805
Total	0.0102	0.3820	0.1244	1.9600e-003	1.4809	4.3100e-003	1.4852	0.1591	4.1200e-003	0.1633	0.0000	188.9375	188.9375	1.4100e-003	0.0293	197.6871

3.7 Battery/Container Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6036	2.1641	3.7600e-003		0.0708	0.0708		0.0679	0.0679	0.0000	326.1433	326.1433	0.0617	0.0000	327.6868
Total	0.1770	1.6036	2.1641	3.7600e-003		0.0708	0.0708		0.0679	0.0679	0.0000	326.1433	326.1433	0.0617	0.0000	327.6868

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3500e-003	0.1042	0.0146	6.1000e-004	0.1880	1.4200e-003	0.1894	0.0224	1.3600e-003	0.0238	0.0000	58.5100	58.5100	3.8000e-004	9.2100e-003	61.2627
Vendor	1.5500e-003	0.0544	0.0114	4.0000e-004	0.1353	6.8000e-004	0.1360	0.0165	6.5000e-004	0.0171	0.0000	38.2220	38.2220	1.8000e-004	5.2300e-003	39.7852
Worker	6.7000e-003	4.3200e-003	0.0579	1.6000e-004	0.0189	9.0000e-005	0.0190	5.0100e-003	8.0000e-005	5.0900e-003	0.0000	14.2643	14.2643	3.5000e-004	3.8000e-004	14.3874
Total	9.6000e-003	0.1630	0.0839	1.1700e-003	0.3422	2.1900e-003	0.3444	0.0439	2.0900e-003	0.0460	0.0000	110.9963	110.9963	9.1000e-004	0.0148	115.4352

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6036	2.1641	3.7600e-003		0.0708	0.0708		0.0679	0.0679	0.0000	326.1429	326.1429	0.0617	0.0000	327.6865
Total	0.1770	1.6036	2.1641	3.7600e-003		0.0708	0.0708		0.0679	0.0679	0.0000	326.1429	326.1429	0.0617	0.0000	327.6865

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3500e-003	0.1042	0.0146	6.1000e-004	0.1231	1.4200e-003	0.1246	0.0159	1.3600e-003	0.0173	0.0000	58.5100	58.5100	3.8000e-004	9.2100e-003	61.2627
Vendor	1.5500e-003	0.0544	0.0114	4.0000e-004	0.0890	6.8000e-004	0.0896	0.0118	6.5000e-004	0.0125	0.0000	38.2220	38.2220	1.8000e-004	5.2300e-003	39.7852
Worker	6.7000e-003	4.3200e-003	0.0579	1.6000e-004	0.0189	9.0000e-005	0.0190	5.0100e-003	8.0000e-005	5.0900e-003	0.0000	14.2643	14.2643	3.5000e-004	3.8000e-004	14.3874
Total	9.6000e-003	0.1630	0.0839	1.1700e-003	0.2310	2.1900e-003	0.2332	0.0328	2.0900e-003	0.0348	0.0000	110.9963	110.9963	9.1000e-004	0.0148	115.4352

3.7 Battery/Container Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0347	0.0502	9.0000e-005		1.4400e-003	1.4400e-003		1.3800e-003	1.3800e-003	0.0000	7.5851	7.5851	1.4300e-003	0.0000	7.6207
Total	3.8700e-003	0.0347	0.0502	9.0000e-005		1.4400e-003	1.4400e-003		1.3800e-003	1.3800e-003	0.0000	7.5851	7.5851	1.4300e-003	0.0000	7.6207

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	2.3900e-003	3.4000e-004	1.0000e-005	4.3700e-003	3.0000e-005	4.4000e-003	5.2000e-004	3.0000e-005	5.5000e-004	0.0000	1.3286	1.3286	1.0000e-005	2.1000e-004	1.3911
Vendor	3.0000e-005	1.2400e-003	2.5000e-004	1.0000e-005	3.1500e-003	2.0000e-005	3.1600e-003	3.8000e-004	2.0000e-005	4.0000e-004	0.0000	0.8725	0.8725	0.0000	1.2000e-004	0.9080
Worker	1.5000e-004	9.0000e-005	1.2400e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3204	0.3204	1.0000e-005	1.0000e-005	0.3230
Total	2.1000e-004	3.7200e-003	1.8300e-003	2.0000e-005	7.9600e-003	5.0000e-005	8.0000e-003	1.0200e-003	5.0000e-005	1.0700e-003	0.0000	2.5215	2.5215	2.0000e-005	3.4000e-004	2.6221

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0347	0.0502	9.0000e-005		1.4400e-003	1.4400e-003		1.3800e-003	1.3800e-003	0.0000	7.5851	7.5851	1.4300e-003	0.0000	7.6207
Total	3.8700e-003	0.0347	0.0502	9.0000e-005		1.4400e-003	1.4400e-003		1.3800e-003	1.3800e-003	0.0000	7.5851	7.5851	1.4300e-003	0.0000	7.6207

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	2.3900e-003	3.4000e-004	1.0000e-005	2.8600e-003	3.0000e-005	2.9000e-003	3.7000e-004	3.0000e-005	4.0000e-004	0.0000	1.3286	1.3286	1.0000e-005	2.1000e-004	1.3911
Vendor	3.0000e-005	1.2400e-003	2.5000e-004	1.0000e-005	2.0700e-003	2.0000e-005	2.0800e-003	2.8000e-004	2.0000e-005	2.9000e-004	0.0000	0.8725	0.8725	0.0000	1.2000e-004	0.9080
Worker	1.5000e-004	9.0000e-005	1.2400e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3204	0.3204	1.0000e-005	1.0000e-005	0.3230
Total	2.1000e-004	3.7200e-003	1.8300e-003	2.0000e-005	5.3700e-003	5.0000e-005	5.4200e-003	7.7000e-004	5.0000e-005	8.1000e-004	0.0000	2.5215	2.5215	2.0000e-005	3.4000e-004	2.6221

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1100e-003	0.0252	0.0336	6.0000e-005		1.0400e-003	1.0400e-003		1.0200e-003	1.0200e-003	0.0000	5.1171	5.1171	5.1000e-004	0.0000	5.1300
Total	3.1100e-003	0.0252	0.0336	6.0000e-005		1.0400e-003	1.0400e-003		1.0200e-003	1.0200e-003	0.0000	5.1171	5.1171	5.1000e-004	0.0000	5.1300

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	8.0000e-005	0.0000	3.2600e-003	0.0000	3.2600e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0768	0.0768	0.0000	1.0000e-005	0.0800
Worker	9.0000e-005	6.0000e-005	7.8000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2002	0.2002	0.0000	1.0000e-005	0.2019
Total	1.0000e-004	2.2000e-004	8.6000e-004	0.0000	3.5300e-003	0.0000	3.5400e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.2770	0.2770	0.0000	2.0000e-005	0.2818

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1100e-003	0.0252	0.0336	6.0000e-005		1.0400e-003	1.0400e-003		1.0200e-003	1.0200e-003	0.0000	5.1171	5.1171	5.1000e-004	0.0000	5.1300
Total	3.1100e-003	0.0252	0.0336	6.0000e-005		1.0400e-003	1.0400e-003		1.0200e-003	1.0200e-003	0.0000	5.1171	5.1171	5.1000e-004	0.0000	5.1300

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	8.0000e-005	0.0000	2.0100e-003	0.0000	2.0100e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0768	0.0768	0.0000	1.0000e-005	0.0800
Worker	9.0000e-005	6.0000e-005	7.8000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2002	0.2002	0.0000	1.0000e-005	0.2019
Total	1.0000e-004	2.2000e-004	8.6000e-004	0.0000	2.2800e-003	0.0000	2.2900e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.2770	0.2770	0.0000	2.0000e-005	0.2818

3.9 Substation Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4803	4.6887	5.3103	0.0101		0.2109	0.2109		0.1961	0.1961	0.0000	885.2624	885.2624	0.2473	0.0000	891.4444
Total	0.4803	4.6887	5.3103	0.0101		0.2109	0.2109		0.1961	0.1961	0.0000	885.2624	885.2624	0.2473	0.0000	891.4444

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.4787	0.0953	3.5200e-003	1.2118	6.0500e-003	1.2178	0.1474	5.7800e-003	0.1532	0.0000	335.9067	335.9067	1.6000e-003	0.0457	349.5607
Worker	0.0112	6.9000e-003	0.0958	2.7000e-004	0.0338	1.5000e-004	0.0339	8.9700e-003	1.4000e-004	9.1100e-003	0.0000	24.6670	24.6670	5.7000e-004	6.4000e-004	24.8711
Total	0.0246	0.4856	0.1911	3.7900e-003	1.2455	6.2000e-003	1.2517	0.1564	5.9200e-003	0.1623	0.0000	360.5737	360.5737	2.1700e-003	0.0463	374.4318

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4803	4.6887	5.3103	0.0101		0.2109	0.2109		0.1961	0.1961	0.0000	885.2613	885.2613	0.2473	0.0000	891.4433
Total	0.4803	4.6887	5.3103	0.0101		0.2109	0.2109		0.1961	0.1961	0.0000	885.2613	885.2613	0.2473	0.0000	891.4433

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.4787	0.0953	3.5200e-003	0.7964	6.0500e-003	0.8025	0.1059	5.7800e-003	0.1117	0.0000	335.9067	335.9067	1.6000e-003	0.0457	349.5607
Worker	0.0112	6.9000e-003	0.0958	2.7000e-004	0.0338	1.5000e-004	0.0339	8.9700e-003	1.4000e-004	9.1100e-003	0.0000	24.6670	24.6670	5.7000e-004	6.4000e-004	24.8711
Total	0.0246	0.4856	0.1911	3.7900e-003	0.8302	6.2000e-003	0.8364	0.1149	5.9200e-003	0.1208	0.0000	360.5737	360.5737	2.1700e-003	0.0463	374.4318

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7200e-003	0.0630	0.0977	1.6000e-004		2.6400e-003	2.6400e-003		2.5400e-003	2.5400e-003	0.0000	13.6292	13.6292	2.0600e-003	0.0000	13.6807
Total	6.7200e-003	0.0630	0.0977	1.6000e-004		2.6400e-003	2.6400e-003		2.5400e-003	2.5400e-003	0.0000	13.6292	13.6292	2.0600e-003	0.0000	13.6807

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	9.5000e-004	4.8000e-004	0.0000	0.0189	1.0000e-005	0.0189	1.9200e-003	1.0000e-005	1.9200e-003	0.0000	0.4453	0.4453	0.0000	6.0000e-005	0.4638
Worker	4.2000e-004	2.6000e-004	3.6100e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	0.9290	0.9290	2.0000e-005	2.0000e-005	0.9367
Total	4.6000e-004	1.2100e-003	4.0900e-003	1.0000e-005	0.0202	2.0000e-005	0.0202	2.2600e-003	2.0000e-005	2.2600e-003	0.0000	1.3743	1.3743	2.0000e-005	8.0000e-005	1.4005

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7200e-003	0.0630	0.0977	1.6000e-004		2.6400e-003	2.6400e-003		2.5400e-003	2.5400e-003	0.0000	13.6292	13.6292	2.0600e-003	0.0000	13.6807
Total	6.7200e-003	0.0630	0.0977	1.6000e-004		2.6400e-003	2.6400e-003		2.5400e-003	2.5400e-003	0.0000	13.6292	13.6292	2.0600e-003	0.0000	13.6807

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	9.5000e-004	4.8000e-004	0.0000	0.0116	1.0000e-005	0.0117	1.1900e-003	1.0000e-005	1.2000e-003	0.0000	0.4453	0.4453	0.0000	6.0000e-005	0.4638
Worker	4.2000e-004	2.6000e-004	3.6100e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	0.9290	0.9290	2.0000e-005	2.0000e-005	0.9367
Total	4.6000e-004	1.2100e-003	4.0900e-003	1.0000e-005	0.0129	2.0000e-005	0.0129	1.5300e-003	2.0000e-005	1.5400e-003	0.0000	1.3743	1.3743	2.0000e-005	8.0000e-005	1.4005

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2000e-004	2.5000e-003	1.7700e-003	1.0000e-005	0.3157	3.0000e-005	0.3158	0.0315	3.0000e-005	0.0315	0.0000	1.3221	1.3221	1.0000e-005	1.8000e-004	1.3754
Unmitigated	1.2000e-004	2.5000e-003	1.7700e-003	1.0000e-005	0.3157	3.0000e-005	0.3158	0.0315	3.0000e-005	0.0315	0.0000	1.3221	1.3221	1.0000e-005	1.8000e-004	1.3754

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	1.18	1.18	1,695	1,695
Total	0.00	1.18	1.18	1,695	1,695

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	834.2879	834.2879	0.0704	8.5400e-003	838.5919
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	834.2879	834.2879	0.0704	8.5400e-003	838.5919
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	4.70431e+006	834.2879	0.0704	8.5400e-003	838.5919
Total		834.2879	0.0704	8.5400e-003	838.5919

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	4.70431e+006	834.2879	0.0704	8.5400e-003	838.5919
Total		834.2879	0.0704	8.5400e-003	838.5919

6.0 Area Detail

6.1 Mitigation Measures Area

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Cranes	1.6000e-004	1.5800e-003	8.7000e-004	0.0000		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555
Total	1.6000e-004	1.5800e-003	8.7000e-004	0.0000		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2535	0.2535	8.0000e-005	0.0000	0.2555

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Desert Peak Energy Center Project Phase 2

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	118.08	1000sqft	2.71	118,080.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of battery containers for project.

Construction Phase - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided data.

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information.

Architectural Coating -

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Consumer Products - No consumer product use.

Area Coating - No architectural coatings during operation.

Landscape Equipment - No landscaping.

Energy Use - CalEEMod defaults, no natural gas.

Water And Wastewater - No water use.

Solid Waste - No solid waste.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided information.

Fleet Mix - Worker vehicles and vendor trucks only.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	10.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	3.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	220.00	88.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	220.00	29.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.9100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.8720e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.8100e-004	0.00
tblFleetMix	SBUS	9.0200e-004	0.00
tblFleetMix	UBUS	2.3000e-004	0.00
tblGrading	MaterialImported	0.00	57,416.00
tblGrading	MaterialImported	0.00	57,416.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	111.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	7,178.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	7,178.00
tblTripsAndVMT	HaulingTripNumber	0.00	492.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	19.00	4.00
tblTripsAndVMT	VendorTripNumber	19.00	2.00
tblTripsAndVMT	VendorTripNumber	19.00	20.00
tblTripsAndVMT	VendorTripNumber	19.00	2.00
tblTripsAndVMT	WorkerTripNumber	20.00	40.00
tblTripsAndVMT	WorkerTripNumber	10.00	40.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	10.00
tblTripsAndVMT	WorkerTripNumber	50.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	8.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	27,306,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.6977	53.6915	52.6275	0.2210	241.9490	1.9627	243.2768	30.6576	1.8058	31.8934	0.0000	23,027.44 32	23,027.44 32	2.2894	2.9280	23,936.12 16
2025	7.8821	76.9544	85.6367	0.2062	18.4961	3.2376	21.7337	2.2863	3.0322	5.3185	0.0000	20,255.63 45	20,255.63 45	3.8006	0.6692	20,550.05 57
Maximum	7.8821	76.9544	85.6367	0.2210	241.9490	3.2376	243.2768	30.6576	3.0322	31.8934	0.0000	23,027.44 32	23,027.44 32	3.8006	2.9280	23,936.12 16

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.6977	53.6915	52.6275	0.2210	148.2793	1.9627	149.6071	18.2924	1.8058	19.5283	0.0000	23,027.44 32	23,027.44 32	2.2894	2.9280	23,936.12 16
2025	7.8821	76.9544	85.6367	0.2062	12.2590	3.2376	15.4966	1.6626	3.0322	4.6948	0.0000	20,255.63 45	20,255.63 45	3.8006	0.6692	20,550.05 57
Maximum	7.8821	76.9544	85.6367	0.2210	148.2793	3.2376	149.6071	18.2924	3.0322	19.5283	0.0000	23,027.44 32	23,027.44 32	3.8006	2.9280	23,936.12 16

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.36	0.00	37.70	39.43	0.00	34.91	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3167	3.2134	1.7868	6.0400e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	587.3571	587.3571	0.1811	3.7700e-003	593.0079

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3167	3.2134	1.7868	6.0400e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	587.3571	587.3571	0.1811	3.7700e-003	593.0079

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2024	6/14/2024	5	10	
2	Substation Site Preparation	Site Preparation	6/3/2024	7/2/2024	5	22	
3	Trenching	Trenching	6/3/2024	7/2/2024	5	22	
4	Grading	Grading	7/3/2024	8/1/2024	5	22	

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/2/2024	9/2/2024	5	22
6	Battery/Container Installation	Building Construction	9/3/2024	1/2/2025	5	88
7	Gen-tie foundation and tower erection	Building Construction	1/3/2025	1/9/2025	5	5
8	Substation Installation	Building Construction	1/3/2025	8/6/2025	5	154
9	Gen-tie stringing and pulling	Building Construction	1/10/2025	2/19/2025	5	29

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie foundation and tower erection	Air Compressors	1	8.00	78	0.48
Gen-tie foundation and tower erection	Cranes	1	4.00	231	0.29
Gen-tie foundation and tower erection	Forklifts	1	8.00	89	0.20
Gen-tie foundation and tower erection	Generator Sets	1	8.00	84	0.74
Gen-tie foundation and tower erection	Pumps	1	8.00	84	0.74
Gen-tie foundation and tower erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie foundation and tower erection	Welders	1	8.00	46	0.45

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	40.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	40.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	40.00	2.00	7,178.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	40.00	2.00	7,178.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	40.00	4.00	492.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie foundation and tower erection	6	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	40.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625		3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	1.0605	0.6114	1.6719	0.1145	0.5625	0.6770		3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.1908	0.1627	1.7300	4.3000e-003	1.8236	2.5500e-003	1.8262	0.2575	2.3600e-003	0.2599		435.5602	435.5602	9.7200e-003	0.0146	440.1662

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	0.4772	0.6114	1.0886	0.0515	0.5625	0.6140	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.1908	0.1627	1.7300	4.3000e-003	1.2929	2.5500e-003	1.2955	0.2044	2.3600e-003	0.2068		435.5602	435.5602	9.7200e-003	0.0146	440.1662

3.3 Substation Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132		2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	13.1047	0.7753	13.8799	6.7350	0.7132	7.4482		2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.1908	0.1627	1.7300	4.3000e-003	1.8236	2.5500e-003	1.8262	0.2575	2.3600e-003	0.2599		435.5602	435.5602	9.7200e-003	0.0146	440.1662

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	5.8971	0.7753	6.6724	3.0307	0.7132	3.7440	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.1908	0.1627	1.7300	4.3000e-003	1.2929	2.5500e-003	1.2955	0.2044	2.3600e-003	0.2068		435.5602	435.5602	9.7200e-003	0.0146	440.1662

3.4 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.0376	0.0201	0.3393	7.9000e-004	0.0888	4.1000e-004	0.0892	0.0236	3.8000e-004	0.0239		80.2264	80.2264	1.8900e-003	1.9700e-003	80.8606
Total	0.0406	0.0825	0.3728	1.1200e-003	1.4684	9.1000e-004	1.4693	0.1633	8.6000e-004	0.1642		114.6548	114.6548	2.1500e-003	6.7600e-003	116.7237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.0376	0.0201	0.3393	7.9000e-004	0.0888	4.1000e-004	0.0892	0.0236	3.8000e-004	0.0239		80.2264	80.2264	1.8900e-003	1.9700e-003	80.8606
Total	0.0406	0.0825	0.3728	1.1200e-003	0.9377	9.1000e-004	0.9386	0.1102	8.6000e-004	0.1111		114.6548	114.6548	2.1500e-003	6.7600e-003	116.7237

3.5 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5803	0.0000	1.5803	0.1932	0.0000	0.1932			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304		4,073.9613	4,073.9613	1.3025		4,106.5228
Total	2.0013	21.0675	17.6662	0.0423	1.5803	0.7922	2.3725	0.1932	0.7304	0.9236		4,073.9613	4,073.9613	1.3025		4,106.5228

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8004	32.4612	9.8358	0.1743	226.5009	0.3887	226.8895	23.5864	0.3718	23.9582		18,517.92 16	18,517.92 16	0.1337	2.9133	19,389.43 27
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.9912	32.6240	11.5657	0.1786	228.3245	0.3912	228.7157	23.8439	0.3742	24.2181		18,953.48 18	18,953.48 18	0.1434	2.9280	19,829.59 88

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7111	0.0000	0.7111	0.0870	0.0000	0.0870			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304	0.0000	4,073.961 3	4,073.961 3	1.3025		4,106.522 8
Total	2.0013	21.0675	17.6662	0.0423	0.7111	0.7922	1.5034	0.0870	0.7304	0.8174	0.0000	4,073.961 3	4,073.961 3	1.3025		4,106.522 8

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8004	32.4612	9.8358	0.1743	140.8553	0.3887	141.2440	15.0218	0.3718	15.3937		18,517.92 16	18,517.92 16	0.1337	2.9133	19,389.43 27
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.9912	32.6240	11.5657	0.1786	142.1483	0.3912	142.5395	15.2263	0.3742	15.6005		18,953.48 18	18,953.48 18	0.1434	2.9280	19,829.59 88

3.6 Substation Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.6244	0.0000	13.6244	6.8137	0.0000	6.8137			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617		2,765.786 9	2,765.786 9	0.8945		2,788.149 7
Total	1.9694	20.2005	14.4335	0.0286	13.6244	0.9366	14.5610	6.8137	0.8617	7.6753		2,765.786 9	2,765.786 9	0.8945		2,788.149 7

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8004	32.4612	9.8358	0.1743	226.5009	0.3887	226.8895	23.5864	0.3718	23.9582		18,517.92 16	18,517.92 16	0.1337	2.9133	19,389.43 27
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.9912	32.6240	11.5657	0.1786	228.3245	0.3912	228.7157	23.8439	0.3742	24.2181		18,953.48 18	18,953.48 18	0.1434	2.9280	19,829.59 88

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1310	0.0000	6.1310	3.0662	0.0000	3.0662			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617	0.0000	2,765.786 9	2,765.786 9	0.8945		2,788.149 7
Total	1.9694	20.2005	14.4335	0.0286	6.1310	0.9366	7.0676	3.0662	0.8617	3.9278	0.0000	2,765.786 9	2,765.786 9	0.8945		2,788.149 7

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8004	32.4612	9.8358	0.1743	140.8553	0.3887	141.2440	15.0218	0.3718	15.3937		18,517.92 16	18,517.92 16	0.1337	2.9133	19,389.43 27
Vendor	3.0300e-003	0.0625	0.0335	3.3000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.4284	34.4284	2.6000e-004	4.7900e-003	35.8631
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.9912	32.6240	11.5657	0.1786	142.1483	0.3912	142.5395	15.2263	0.3742	15.6005		18,953.48 18	18,953.48 18	0.1434	2.9280	19,829.59 88

3.7 Battery/Container Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.730 6	8,360.730 6	1.5828		8,400.300 3
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.730 6	8,360.730 6	1.5828		8,400.300 3

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0318	2.2650	0.3376	0.0141	4.6020	0.0330	4.6350	0.5444	0.0316	0.5760		1,499.6487	1,499.6487	9.6900e-003	0.2359	1,570.2006
Vendor	0.0372	1.1792	0.2650	9.3000e-003	3.3123	0.0158	3.3281	0.3999	0.0151	0.4150		979.7345	979.7345	4.6200e-003	0.1339	1,019.7461
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.2568	3.5445	2.2991	0.0274	8.3583	0.0508	8.4092	1.0621	0.0486	1.1106		2,880.5150	2,880.5150	0.0238	0.3797	2,994.2498

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0318	2.2650	0.3376	0.0141	3.0068	0.0330	3.0398	0.3849	0.0316	0.4165		1,499.6487	1,499.6487	9.6900e-003	0.2359	1,570.2006
Vendor	0.0372	1.1792	0.2650	9.3000e-003	2.1710	0.0158	2.1868	0.2857	0.0151	0.3008		979.7345	979.7345	4.6200e-003	0.1339	1,019.7461
Worker	0.1878	0.1003	1.6964	3.9700e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		401.1318	401.1318	9.4600e-003	9.8500e-003	404.3031
Total	0.2568	3.5445	2.2991	0.0274	5.6218	0.0508	5.6727	0.7884	0.0486	0.8370		2,880.5150	2,880.5150	0.0238	0.3797	2,994.2498

3.7 Battery/Container Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0317	2.2321	0.3397	0.0138	4.6020	0.0328	4.6348	0.5444	0.0314	0.5758		1,464.2879	1,464.2879	0.0100	0.2304	1,533.1939
Vendor	0.0358	1.1589	0.2478	9.1300e-003	3.3123	0.0157	3.3280	0.3999	0.0150	0.4149		961.6591	961.6591	4.6100e-003	0.1306	1,000.6951
Worker	0.1750	0.0895	1.5672	3.8300e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		387.2806	387.2806	8.4900e-003	9.1500e-003	390.2185
Total	0.2424	3.4806	2.1546	0.0267	8.3583	0.0504	8.4088	1.0621	0.0482	1.1102		2,813.2275	2,813.2275	0.0231	0.3702	2,924.1075

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.1021	8,361.1021	1.5715		8,400.3895
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.1021	8,361.1021	1.5715		8,400.3895

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0317	2.2321	0.3397	0.0138	3.0068	0.0328	3.0396	0.3849	0.0314	0.4163		1,464.2879	1,464.2879	0.0100	0.2304	1,533.1939
Vendor	0.0358	1.1589	0.2478	9.1300e-003	2.1710	0.0157	2.1867	0.2857	0.0150	0.3008		961.6591	961.6591	4.6100e-003	0.1306	1,000.6951
Worker	0.1750	0.0895	1.5672	3.8300e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		387.2806	387.2806	8.4900e-003	9.1500e-003	390.2185
Total	0.2424	3.4806	2.1546	0.0267	5.6218	0.0504	5.6723	0.7884	0.0482	0.8366		2,813.2275	2,813.2275	0.0231	0.3702	2,924.1075

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.0618	0.0329	3.2000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		33.8058	33.8058	2.6000e-004	4.6800e-003	35.2074
Worker	0.0437	0.0224	0.3918	9.6000e-004	0.1110	4.8000e-004	0.1115	0.0294	4.5000e-004	0.0299		96.8201	96.8201	2.1200e-003	2.2900e-003	97.5546
Total	0.0467	0.0842	0.4247	1.2800e-003	1.4906	9.8000e-004	1.4916	0.1692	9.3000e-004	0.1701		130.6260	130.6260	2.3800e-003	6.9700e-003	132.7620

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.0618	0.0329	3.2000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		33.8058	33.8058	2.6000e-004	4.6800e-003	35.2074
Worker	0.0437	0.0224	0.3918	9.6000e-004	0.1110	4.8000e-004	0.1115	0.0294	4.5000e-004	0.0299		96.8201	96.8201	2.1200e-003	2.2900e-003	97.5546
Total	0.0467	0.0842	0.4247	1.2800e-003	0.9599	9.8000e-004	0.9609	0.1161	9.3000e-004	0.1170		130.6260	130.6260	2.3800e-003	6.9700e-003	132.7620

3.9 Substation Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.1779	12,673.1779	3.5400		12,761.6781
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.1779	12,673.1779	3.5400		12,761.6781

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1788	5.7946	1.2388	0.0457	16.5614	0.0785	16.6399	1.9994	0.0751	2.0744		4,808.295 2	4,808.295 2	0.0230	0.6530	5,003.475 6
Worker	0.1750	0.0895	1.5672	3.8300e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		387.2806	387.2806	8.4900e-003	9.1500e-003	390.2185
Total	0.3538	5.8841	2.8060	0.0495	17.0055	0.0804	17.0859	2.1171	0.0769	2.1940		5,195.575 8	5,195.575 8	0.0315	0.6622	5,393.694 1

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.17 79	12,673.17 79	3.5400		12,761.67 81
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.17 79	12,673.17 79	3.5400		12,761.67 81

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1788	5.7946	1.2388	0.0457	10.8550	0.0785	10.9335	1.4287	0.0751	1.5038		4,808.295 2	4,808.295 2	0.0230	0.6530	5,003.475 6
Worker	0.1750	0.0895	1.5672	3.8300e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		387.2806	387.2806	8.4900e-003	9.1500e-003	390.2185
Total	0.3538	5.8841	2.8060	0.0495	11.2991	0.0804	11.3795	1.5465	0.0769	1.6233		5,195.575 8	5,195.575 8	0.0315	0.6622	5,393.694 1

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.113 6	1,036.113 6	0.1566		1,040.029 1
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.113 6	1,036.113 6	0.1566		1,040.029 1

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.0618	0.0329	3.2000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		33.8058	33.8058	2.6000e-004	4.6800e-003	35.2074
Worker	0.0350	0.0179	0.3134	7.7000e-004	0.0888	3.9000e-004	0.0892	0.0236	3.6000e-004	0.0239		77.4561	77.4561	1.7000e-003	1.8300e-003	78.0437
Total	0.0380	0.0797	0.3463	1.0900e-003	1.4684	8.9000e-004	1.4693	0.1633	8.4000e-004	0.1641		111.2619	111.2619	1.9600e-003	6.5100e-003	113.2511

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.0618	0.0329	3.2000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		33.8058	33.8058	2.6000e-004	4.6800e-003	35.2074
Worker	0.0350	0.0179	0.3134	7.7000e-004	0.0888	3.9000e-004	0.0892	0.0236	3.6000e-004	0.0239		77.4561	77.4561	1.7000e-003	1.8300e-003	78.0437
Total	0.0380	0.0797	0.3463	1.0900e-003	0.9377	8.9000e-004	0.9386	0.1102	8.4000e-004	0.1111		111.2619	111.2619	1.9600e-003	6.5100e-003	113.2511

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357
Unmitigated	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	1.18	1.18	1,695	1,695
Total	0.00	1.18	1.18	1,695	1,695

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Unmitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project Phase 2
Salton Sea Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	118.08	1000sqft	2.71	118,080.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of battery containers for project.

Construction Phase - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided data.

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information.

Architectural Coating -

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Consumer Products - No consumer product use.

Area Coating - No architectural coatings during operation.

Landscape Equipment - No landscaping.

Energy Use - CalEEMod defaults, no natural gas.

Water And Wastewater - No water use.

Solid Waste - No solid waste.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided information.

Fleet Mix - Worker vehicles and vendor trucks only.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	10.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	3.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	220.00	88.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	220.00	29.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.9100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.8720e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.8100e-004	0.00
tblFleetMix	SBUS	9.0200e-004	0.00
tblFleetMix	UBUS	2.3000e-004	0.00
tblGrading	MaterialImported	0.00	57,416.00
tblGrading	MaterialImported	0.00	57,416.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	111.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	7,178.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	7,178.00
tblTripsAndVMT	HaulingTripNumber	0.00	492.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	19.00	4.00
tblTripsAndVMT	VendorTripNumber	19.00	2.00
tblTripsAndVMT	VendorTripNumber	19.00	20.00
tblTripsAndVMT	VendorTripNumber	19.00	2.00
tblTripsAndVMT	WorkerTripNumber	20.00	40.00
tblTripsAndVMT	WorkerTripNumber	10.00	40.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	30.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	10.00
tblTripsAndVMT	WorkerTripNumber	50.00	40.00
tblTripsAndVMT	WorkerTripNumber	50.00	8.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	27,306,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.6138	56.5525	52.1198	0.2207	241.9490	1.9627	243.2774	30.6576	1.8058	31.8941	0.0000	23,004.8367	23,004.8367	2.2888	2.9339	23,915.2021
2025	7.8371	77.4796	85.0454	0.2055	18.4961	3.2377	21.7338	2.2863	3.0322	5.3186	0.0000	20,185.3799	20,185.3799	3.8000	0.6708	20,480.2668
Maximum	7.8371	77.4796	85.0454	0.2207	241.9490	3.2377	243.2774	30.6576	3.0322	31.8941	0.0000	23,004.8367	23,004.8367	3.8000	2.9339	23,915.2021

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.6138	56.5525	52.1198	0.2207	148.2793	1.9627	149.6077	18.2924	1.8058	19.5289	0.0000	23,004.8367	23,004.8367	2.2888	2.9339	23,915.2021
2025	7.8371	77.4796	85.0454	0.2055	12.2590	3.2377	15.4966	1.6626	3.0322	4.6949	0.0000	20,185.3798	20,185.3798	3.8000	0.6708	20,480.2668
Maximum	7.8371	77.4796	85.0454	0.2207	148.2793	3.2377	149.6077	18.2924	3.0322	19.5289	0.0000	23,004.8367	23,004.8367	3.8000	2.9339	23,915.2021

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.36	0.00	37.70	39.43	0.00	34.90	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3160	3.2173	1.7807	6.0300e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	586.6306	586.6306	0.1811	3.7800e-003	592.2847

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3160	3.2173	1.7807	6.0300e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	586.6306	586.6306	0.1811	3.7800e-003	592.2847

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2024	6/14/2024	5	10	
2	Substation Site Preparation	Site Preparation	6/3/2024	7/2/2024	5	22	
3	Trenching	Trenching	6/3/2024	7/2/2024	5	22	
4	Grading	Grading	7/3/2024	8/1/2024	5	22	

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/2/2024	9/2/2024	5	22
6	Battery/Container Installation	Building Construction	9/3/2024	1/2/2025	5	88
7	Gen-tie foundation and tower erection	Building Construction	1/3/2025	1/9/2025	5	5
8	Substation Installation	Building Construction	1/3/2025	8/6/2025	5	154
9	Gen-tie stringing and pulling	Building Construction	1/10/2025	2/19/2025	5	29

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie foundation and tower erection	Air Compressors	1	8.00	78	0.48
Gen-tie foundation and tower erection	Cranes	1	4.00	231	0.29
Gen-tie foundation and tower erection	Forklifts	1	8.00	89	0.20
Gen-tie foundation and tower erection	Generator Sets	1	8.00	84	0.74
Gen-tie foundation and tower erection	Pumps	1	8.00	84	0.74
Gen-tie foundation and tower erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie foundation and tower erection	Welders	1	8.00	46	0.45

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	40.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	40.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	40.00	2.00	7,178.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	40.00	2.00	7,178.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	40.00	4.00	492.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie foundation and tower erection	6	10.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	40.00	20.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	8.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625		3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	1.0605	0.6114	1.6719	0.1145	0.5625	0.6770		3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.1528	0.1708	1.2218	3.7100e-003	1.8236	2.5600e-003	1.8262	0.2575	2.3600e-003	0.2599		376.3313	376.3313	9.4100e-003	0.0148	380.9741

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	0.4772	0.6114	1.0886	0.0515	0.5625	0.6140	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.1528	0.1708	1.2218	3.7100e-003	1.2929	2.5600e-003	1.2955	0.2044	2.3600e-003	0.2068		376.3313	376.3313	9.4100e-003	0.0148	380.9741

3.3 Substation Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132		2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	13.1047	0.7753	13.8799	6.7350	0.7132	7.4482		2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.1528	0.1708	1.2218	3.7100e-003	1.8236	2.5600e-003	1.8262	0.2575	2.3600e-003	0.2599		376.3313	376.3313	9.4100e-003	0.0148	380.9741

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	5.8971	0.7753	6.6724	3.0307	0.7132	3.7440	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.1528	0.1708	1.2218	3.7100e-003	1.2929	2.5600e-003	1.2955	0.2044	2.3600e-003	0.2068		376.3313	376.3313	9.4100e-003	0.0148	380.9741

3.4 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.0300	0.0206	0.2374	6.8000e-004	0.0888	4.1000e-004	0.0892	0.0236	3.8000e-004	0.0239		68.3582	68.3582	1.8300e-003	1.9900e-003	68.9982
Total	0.0328	0.0885	0.2722	1.0100e-003	1.4684	9.2000e-004	1.4693	0.1633	8.6000e-004	0.1642		102.8987	102.8987	2.0800e-003	6.8100e-003	104.9813

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.0300	0.0206	0.2374	6.8000e-004	0.0888	4.1000e-004	0.0892	0.0236	3.8000e-004	0.0239		68.3582	68.3582	1.8300e-003	1.9900e-003	68.9982
Total	0.0328	0.0885	0.2722	1.0100e-003	0.9377	9.2000e-004	0.9386	0.1102	8.6000e-004	0.1111		102.8987	102.8987	2.0800e-003	6.8100e-003	104.9813

3.5 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5803	0.0000	1.5803	0.1932	0.0000	0.1932			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304		4,073.9613	4,073.9613	1.3025		4,106.5228
Total	2.0013	21.0675	17.6662	0.0423	1.5803	0.7922	2.3725	0.1932	0.7304	0.9236		4,073.9613	4,073.9613	1.3025		4,106.5228

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7288	35.3142	10.0655	0.1747	226.5009	0.3893	226.8902	23.5864	0.3725	23.9588		18,554.54 40	18,554.54 40	0.1303	2.9191	19,427.70 52
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.8816	35.4850	11.2873	0.1784	228.3245	0.3919	228.7164	23.8439	0.3748	24.2187		18,930.87 53	18,930.87 53	0.1397	2.9339	19,808.67 94

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7111	0.0000	0.7111	0.0870	0.0000	0.0870			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304	0.0000	4,073.961 3	4,073.961 3	1.3025		4,106.522 8
Total	2.0013	21.0675	17.6662	0.0423	0.7111	0.7922	1.5034	0.0870	0.7304	0.8174	0.0000	4,073.961 3	4,073.961 3	1.3025		4,106.522 8

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7288	35.3142	10.0655	0.1747	140.8553	0.3893	141.2446	15.0218	0.3725	15.3943		18,554.54 40	18,554.54 40	0.1303	2.9191	19,427.70 52
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.8816	35.4850	11.2873	0.1784	142.1483	0.3919	142.5401	15.2263	0.3748	15.6011		18,930.87 53	18,930.87 53	0.1397	2.9339	19,808.67 94

3.6 Substation Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.6244	0.0000	13.6244	6.8137	0.0000	6.8137			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617		2,765.786 9	2,765.786 9	0.8945		2,788.149 7
Total	1.9694	20.2005	14.4335	0.0286	13.6244	0.9366	14.5610	6.8137	0.8617	7.6753		2,765.786 9	2,765.786 9	0.8945		2,788.149 7

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7288	35.3142	10.0655	0.1747	226.5009	0.3893	226.8902	23.5864	0.3725	23.9588		18,554.54 40	18,554.54 40	0.1303	2.9191	19,427.70 52
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	1.3796	5.1000e-004	1.3801	0.1397	4.8000e-004	0.1402		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.8816	35.4850	11.2873	0.1784	228.3245	0.3919	228.7164	23.8439	0.3748	24.2187		18,930.87 53	18,930.87 53	0.1397	2.9339	19,808.67 94

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1310	0.0000	6.1310	3.0662	0.0000	3.0662			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617	0.0000	2,765.786 9	2,765.786 9	0.8945		2,788.149 7
Total	1.9694	20.2005	14.4335	0.0286	6.1310	0.9366	7.0676	3.0662	0.8617	3.9278	0.0000	2,765.786 9	2,765.786 9	0.8945		2,788.149 7

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7288	35.3142	10.0655	0.1747	140.8553	0.3893	141.2446	15.0218	0.3725	15.3943		18,554.54 40	18,554.54 40	0.1303	2.9191	19,427.70 52
Vendor	2.7900e-003	0.0679	0.0348	3.3000e-004	0.8489	5.1000e-004	0.8494	0.0867	4.8000e-004	0.0872		34.5405	34.5405	2.5000e-004	4.8200e-003	35.9831
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.8816	35.4850	11.2873	0.1784	142.1483	0.3919	142.5401	15.2263	0.3748	15.6011		18,930.87 53	18,930.87 53	0.1397	2.9339	19,808.67 94

3.7 Battery/Container Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.730 6	8,360.730 6	1.5828		8,400.300 3
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.730 6	8,360.730 6	1.5828		8,400.300 3

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	2.4607	0.3414	0.0141	4.6020	0.0330	4.6350	0.5444	0.0316	0.5760		1,500.2759	1,500.2759	9.6300e-003	0.2360	1,570.8573
Vendor	0.0368	1.2850	0.2630	9.3000e-003	3.3123	0.0158	3.3281	0.3999	0.0151	0.4150		979.9506	979.9506	4.5600e-003	0.1342	1,020.0541
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.2174	3.8487	1.7914	0.0268	8.3583	0.0509	8.4092	1.0621	0.0486	1.1106		2,822.0173	2,822.0173	0.0234	0.3802	2,935.9025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	2.4607	0.3414	0.0141	3.0068	0.0330	3.0398	0.3849	0.0316	0.4165		1,500.2759	1,500.2759	9.6300e-003	0.2360	1,570.8573
Vendor	0.0368	1.2850	0.2630	9.3000e-003	2.1710	0.0158	2.1868	0.2857	0.0151	0.3008		979.9506	979.9506	4.5600e-003	0.1342	1,020.0541
Worker	0.1500	0.1029	1.1870	3.3800e-003	0.4441	2.0500e-003	0.4461	0.1178	1.8800e-003	0.1197		341.7908	341.7908	9.1600e-003	9.9700e-003	344.9911
Total	0.2174	3.8487	1.7914	0.0268	5.6218	0.0509	5.6727	0.7884	0.0486	0.8370		2,822.0173	2,822.0173	0.0234	0.3802	2,935.9025

3.7 Battery/Container Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0304	2.4250	0.3434	0.0138	4.6020	0.0328	4.6348	0.5444	0.0314	0.5758		1,464.9069	1,464.9069	9.9600e-003	0.2305	1,533.8420
Vendor	0.0355	1.2623	0.2465	9.1300e-003	3.3123	0.0157	3.3280	0.3999	0.0150	0.4149		961.8745	961.8745	4.5600e-003	0.1309	1,000.9955
Worker	0.1403	0.0918	1.0983	3.2700e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		330.1263	330.1263	8.2600e-003	9.2500e-003	333.0907
Total	0.2062	3.7791	1.6881	0.0262	8.3583	0.0505	8.4088	1.0621	0.0482	1.1103		2,756.9076	2,756.9076	0.0228	0.3706	2,867.9282

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.1021	8,361.1021	1.5715		8,400.3895
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.1021	8,361.1021	1.5715		8,400.3895

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0304	2.4250	0.3434	0.0138	3.0068	0.0328	3.0396	0.3849	0.0314	0.4163		1,464.9069	1,464.9069	9.9600e-003	0.2305	1,533.8420
Vendor	0.0355	1.2623	0.2465	9.1300e-003	2.1710	0.0157	2.1867	0.2857	0.0150	0.3008		961.8745	961.8745	4.5600e-003	0.1309	1,000.9955
Worker	0.1403	0.0918	1.0983	3.2700e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		330.1263	330.1263	8.2600e-003	9.2500e-003	333.0907
Total	0.2062	3.7791	1.6881	0.0262	5.6218	0.0505	5.6723	0.7884	0.0482	0.8366		2,756.9076	2,756.9076	0.0228	0.3706	2,867.9282

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0671	0.0342	3.2000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		33.9169	33.9169	2.5000e-004	4.7100e-003	35.3261
Worker	0.0351	0.0230	0.2746	8.2000e-004	0.1110	4.8000e-004	0.1115	0.0294	4.5000e-004	0.0299		82.5316	82.5316	2.0700e-003	2.3100e-003	83.2727
Total	0.0378	0.0901	0.3087	1.1400e-003	1.4906	9.8000e-004	1.4916	0.1692	9.3000e-004	0.1701		116.4485	116.4485	2.3200e-003	7.0200e-003	118.5988

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0671	0.0342	3.2000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		33.9169	33.9169	2.5000e-004	4.7100e-003	35.3261
Worker	0.0351	0.0230	0.2746	8.2000e-004	0.1110	4.8000e-004	0.1115	0.0294	4.5000e-004	0.0299		82.5316	82.5316	2.0700e-003	2.3100e-003	83.2727
Total	0.0378	0.0901	0.3087	1.1400e-003	0.9599	9.8000e-004	0.9609	0.1161	9.3000e-004	0.1171		116.4485	116.4485	2.3200e-003	7.0200e-003	118.5988

3.9 Substation Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.1779	12,673.1779	3.5400		12,761.6781
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.1779	12,673.1779	3.5400		12,761.6781

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1774	6.3117	1.2324	0.0457	16.5614	0.0785	16.6400	1.9994	0.0751	2.0745		4,809.372 3	4,809.372 3	0.0228	0.6545	5,004.977 7
Worker	0.1403	0.0918	1.0983	3.2700e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		330.1263	330.1263	8.2600e-003	9.2500e-003	333.0907
Total	0.3176	6.4035	2.3307	0.0489	17.0055	0.0805	17.0860	2.1171	0.0769	2.1940		5,139.498 6	5,139.498 6	0.0310	0.6637	5,338.068 4

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.17 79	12,673.17 79	3.5400		12,761.67 81
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.17 79	12,673.17 79	3.5400		12,761.67 81

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1774	6.3117	1.2324	0.0457	10.8550	0.0785	10.9335	1.4287	0.0751	1.5038		4,809.372 3	4,809.372 3	0.0228	0.6545	5,004.977 7
Worker	0.1403	0.0918	1.0983	3.2700e-003	0.4441	1.9300e-003	0.4460	0.1178	1.7800e-003	0.1196		330.1263	330.1263	8.2600e-003	9.2500e-003	333.0907
Total	0.3176	6.4035	2.3307	0.0489	11.2991	0.0805	11.3795	1.5465	0.0769	1.6234		5,139.498 6	5,139.498 6	0.0310	0.6637	5,338.068 4

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.113 6	1,036.113 6	0.1566		1,040.029 1
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.113 6	1,036.113 6	0.1566		1,040.029 1

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0671	0.0342	3.2000e-004	1.3796	5.0000e-004	1.3801	0.1397	4.8000e-004	0.1402		33.9169	33.9169	2.5000e-004	4.7100e-003	35.3261
Worker	0.0281	0.0184	0.2197	6.5000e-004	0.0888	3.9000e-004	0.0892	0.0236	3.6000e-004	0.0239		66.0253	66.0253	1.6500e-003	1.8500e-003	66.6181
Total	0.0308	0.0855	0.2538	9.7000e-004	1.4684	8.9000e-004	1.4693	0.1633	8.4000e-004	0.1641		99.9422	99.9422	1.9000e-003	6.5600e-003	101.9442

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0671	0.0342	3.2000e-004	0.8489	5.0000e-004	0.8494	0.0867	4.8000e-004	0.0872		33.9169	33.9169	2.5000e-004	4.7100e-003	35.3261
Worker	0.0281	0.0184	0.2197	6.5000e-004	0.0888	3.9000e-004	0.0892	0.0236	3.6000e-004	0.0239		66.0253	66.0253	1.6500e-003	1.8500e-003	66.6181
Total	0.0308	0.0855	0.2538	9.7000e-004	0.9377	8.9000e-004	0.9386	0.1102	8.4000e-004	0.1111		99.9422	99.9422	1.9000e-003	6.5600e-003	101.9442

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125
Unmitigated	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	1.18	1.18	1,695	1,695
Total	0.00	1.18	1.18	1,695	1,695

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Unmitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project Phase 2 - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Desert Peak Energy Center Project Phase 2 LST

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	118.08	1000sqft	2.71	118,080.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of battery containers for project.

Construction Phase - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided data.

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information.

Architectural Coating -

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Consumer Products - No consumer product use.

Area Coating - No architectural coatings during operation.

Landscape Equipment - No landscaping.

Energy Use - CalEEMod defaults, no natural gas.

Water And Wastewater - No water use.

Solid Waste - No solid waste.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided information.

Fleet Mix - Worker vehicles and vendor trucks only.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	10.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	3.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	220.00	88.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	220.00	29.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.9100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.8720e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.8100e-004	0.00
tblFleetMix	SBUS	9.0200e-004	0.00
tblFleetMix	UBUS	2.3000e-004	0.00
tblGrading	MaterialImported	0.00	57,416.00
tblGrading	MaterialImported	0.00	57,416.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	111.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	0.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	0.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	27,306,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2755	43.8834	50.3284	0.0875	14.1652	1.9567	16.1219	6.8495	1.8002	8.6496	0.0000	8,360.7306	8,360.7306	2.2679	0.0000	8,400.3003
2025	7.4816	70.9861	82.4061	0.1555	0.0000	3.1562	3.1562	0.0000	2.9544	2.9544	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996
Maximum	7.4816	70.9861	82.4061	0.1555	14.1652	3.1562	16.1219	6.8495	2.9544	8.6496	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2755	43.8834	50.3284	0.0875	6.3743	1.9567	8.3310	3.0823	1.8002	4.8824	0.0000	8,360.7305	8,360.7305	2.2679	0.0000	8,400.3003
2025	7.4816	70.9861	82.4061	0.1555	0.0000	3.1562	3.1562	0.0000	2.9544	2.9544	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996
Maximum	7.4816	70.9861	82.4061	0.1555	6.3743	3.1562	8.3310	3.0823	2.9544	4.8824	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.00	0.00	40.41	55.00	0.00	32.46	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3167	3.2134	1.7868	6.0400e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	587.3571	587.3571	0.1811	3.7700e-003	593.0079

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3167	3.2134	1.7868	6.0400e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	587.3571	587.3571	0.1811	3.7700e-003	593.0079

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2024	6/14/2024	5	10	
2	Substation Site Preparation	Site Preparation	6/3/2024	7/2/2024	5	22	
3	Trenching	Trenching	6/3/2024	7/2/2024	5	22	
4	Grading	Grading	7/3/2024	8/1/2024	5	22	

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/2/2024	9/2/2024	5	22
6	Battery/Container Installation	Building Construction	9/3/2024	1/2/2025	5	88
7	Gen-tie foundation and tower erection	Building Construction	1/3/2025	1/9/2025	5	5
8	Substation Installation	Building Construction	1/3/2025	8/6/2025	5	154
9	Gen-tie stringing and pulling	Building Construction	1/10/2025	2/19/2025	5	29

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie foundation and tower erection	Air Compressors	1	8.00	78	0.48
Gen-tie foundation and tower erection	Cranes	1	4.00	231	0.29
Gen-tie foundation and tower erection	Forklifts	1	8.00	89	0.20
Gen-tie foundation and tower erection	Generator Sets	1	8.00	84	0.74
Gen-tie foundation and tower erection	Pumps	1	8.00	84	0.74
Gen-tie foundation and tower erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie foundation and tower erection	Welders	1	8.00	46	0.45

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	0.00	0.00	0.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie foundation and tower erection	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	0.00	0.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625		3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	1.0605	0.6114	1.6719	0.1145	0.5625	0.6770		3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	0.4772	0.6114	1.0886	0.0515	0.5625	0.6140	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Substation Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132		2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	13.1047	0.7753	13.8799	6.7350	0.7132	7.4482		2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	5.8971	0.7753	6.6724	3.0307	0.7132	3.7440	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5803	0.0000	1.5803	0.1932	0.0000	0.1932			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304		4,073.9613	4,073.9613	1.3025		4,106.5228
Total	2.0013	21.0675	17.6662	0.0423	1.5803	0.7922	2.3725	0.1932	0.7304	0.9236		4,073.9613	4,073.9613	1.3025		4,106.5228

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7111	0.0000	0.7111	0.0870	0.0000	0.0870			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304	0.0000	4,073.9613	4,073.9613	1.3025		4,106.5228
Total	2.0013	21.0675	17.6662	0.0423	0.7111	0.7922	1.5034	0.0870	0.7304	0.8174	0.0000	4,073.9613	4,073.9613	1.3025		4,106.5228

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Substation Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.6244	0.0000	13.6244	6.8137	0.0000	6.8137			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617		2,765.7869	2,765.7869	0.8945		2,788.1497
Total	1.9694	20.2005	14.4335	0.0286	13.6244	0.9366	14.5610	6.8137	0.8617	7.6753		2,765.7869	2,765.7869	0.8945		2,788.1497

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1310	0.0000	6.1310	3.0662	0.0000	3.0662			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617	0.0000	2,765.7869	2,765.7869	0.8945		2,788.1497
Total	1.9694	20.2005	14.4335	0.0286	6.1310	0.9366	7.0676	3.0662	0.8617	3.9278	0.0000	2,765.7869	2,765.7869	0.8945		2,788.1497

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.7306	8,360.7306	1.5828		8,400.3003
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.7306	8,360.7306	1.5828		8,400.3003

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.102 1	8,361.102 1	1.5715		8,400.389 5
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.102 1	8,361.102 1	1.5715		8,400.389 5

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Substation Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.17 79	12,673.17 79	3.5400		12,761.67 81
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.17 79	12,673.17 79	3.5400		12,761.67 81

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.17 79	12,673.17 79	3.5400		12,761.67 81
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.17 79	12,673.17 79	3.5400		12,761.67 81

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.1136	1,036.1136	0.1566		1,040.0291
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.1136	1,036.1136	0.1566		1,040.0291

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357
Unmitigated	2.7900e-003	0.0453	0.0383	2.7000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.8000e-004	0.6066		28.5050	28.5050	3.1000e-004	3.7700e-003	29.6357

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	1.18	1.18	1,695	1,695
Total	0.00	1.18	1.18	1,695	1,695

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Unmitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Desert Peak Energy Center Project Phase 2 LST
Salton Sea Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	118.08	1000sqft	2.71	118,080.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on number of battery containers for project.

Construction Phase - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided data.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - Based on applicant provided information.

Trips and VMT - Based on applicant provided data.

On-road Fugitive Dust - Assumes 0.46 miles of non-road travel per trip for vendor and haul trucks. All other vehicles will park at staging/substation area.

Grading - Based on applicant provided information.

Architectural Coating -

Vehicle Trips - One worker vehicle per month and two haul trucks per day every 2 years.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Consumer Products - No consumer product use.

Area Coating - No architectural coatings during operation.

Landscape Equipment - No landscaping.

Energy Use - CalEEMod defaults, no natural gas.

Water And Wastewater - No water use.

Solid Waste - No solid waste.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Operational Off-Road Equipment - Based on applicant provided information.

Fleet Mix - Worker vehicles and vendor trucks only.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	10.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	3.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	220.00	88.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	220.00	29.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24NG	3.22	0.00
tblFleetMix	HHD	0.02	0.50
tblFleetMix	LDA	0.52	0.25
tblFleetMix	LDT1	0.06	0.13
tblFleetMix	LDT2	0.19	0.13
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.9100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.8720e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.8100e-004	0.00
tblFleetMix	SBUS	9.0200e-004	0.00
tblFleetMix	UBUS	2.3000e-004	0.00
tblGrading	MaterialImported	0.00	57,416.00
tblGrading	MaterialImported	0.00	57,416.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	97.70
tblOnRoadDust	HaulingPercentPave	50.00	99.50
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	VendorPercentPave	50.00	99.50
tblOnRoadDust	VendorPercentPave	50.00	92.50
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	111.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	0.00
tblTripsAndVMT	HaulingTripNumber	7,177.00	0.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripLength	6.20	100.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	50.00	0.00

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.12	0.01
tblVehicleTrips	SU_TR	2.12	0.01
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	27,306,000.00	0.00

2.0 Emissions Summary

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2755	43.8834	50.3284	0.0875	14.1652	1.9567	16.1219	6.8495	1.8002	8.6496	0.0000	8,360.7306	8,360.7306	2.2679	0.0000	8,400.3003
2025	7.4816	70.9861	82.4061	0.1555	0.0000	3.1562	3.1562	0.0000	2.9544	2.9544	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996
Maximum	7.4816	70.9861	82.4061	0.1555	14.1652	3.1562	16.1219	6.8495	2.9544	8.6496	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2755	43.8834	50.3284	0.0875	6.3743	1.9567	8.3310	3.0823	1.8002	4.8824	0.0000	8,360.7305	8,360.7305	2.2679	0.0000	8,400.3003
2025	7.4816	70.9861	82.4061	0.1555	0.0000	3.1562	3.1562	0.0000	2.9544	2.9544	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996
Maximum	7.4816	70.9861	82.4061	0.1555	6.3743	3.1562	8.3310	3.0823	2.9544	4.8824	0.0000	14,929.4328	14,929.4328	3.7667	0.0000	15,023.5996

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.00	0.00	40.41	55.00	0.00	32.46	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3160	3.2173	1.7807	6.0300e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	586.6306	586.6306	0.1811	3.7800e-003	592.2847

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125
Offroad	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3160	3.2173	1.7807	6.0300e-003	6.0719	0.1352	6.2071	0.6061	0.1244	0.7305	0.0000	586.6306	586.6306	0.1811	3.7800e-003	592.2847

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2024	6/14/2024	5	10	
2	Substation Site Preparation	Site Preparation	6/3/2024	7/2/2024	5	22	
3	Trenching	Trenching	6/3/2024	7/2/2024	5	22	
4	Grading	Grading	7/3/2024	8/1/2024	5	22	

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Substation Grading	Grading	8/2/2024	9/2/2024	5	22
6	Battery/Container Installation	Building Construction	9/3/2024	1/2/2025	5	88
7	Gen-tie foundation and tower erection	Building Construction	1/3/2025	1/9/2025	5	5
8	Substation Installation	Building Construction	1/3/2025	8/6/2025	5	154
9	Gen-tie stringing and pulling	Building Construction	1/10/2025	2/19/2025	5	29

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Loaders	2	8.00	203	0.36
Site Preparation	Skid Steer Loaders	2	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Site Preparation	Graders	0	8.00	187	0.41
Substation Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Substation Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Substation Grading	Excavators	0	8.00	158	0.38
Substation Grading	Graders	0	8.00	187	0.41
Substation Grading	Rollers	2	8.00	80	0.38
Substation Grading	Rubber Tired Dozers	2	8.00	247	0.40
Substation Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Air Compressors	4	8.00	78	0.48
Battery/Container Installation	Cranes	2	8.00	231	0.29
Battery/Container Installation	Excavators	2	8.00	158	0.38
Battery/Container Installation	Forklifts	0	8.00	89	0.20
Battery/Container Installation	Generator Sets	0	8.00	84	0.74
Battery/Container Installation	Generator Sets	4	8.00	84	0.74
Battery/Container Installation	Plate Compactors	2	8.00	8	0.43
Battery/Container Installation	Rollers	2	8.00	80	0.38
Battery/Container Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Battery/Container Installation	Skid Steer Loaders	2	8.00	65	0.37
Battery/Container Installation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Battery/Container Installation	Welders	0	8.00	46	0.45
Gen-tie foundation and tower erection	Air Compressors	1	8.00	78	0.48
Gen-tie foundation and tower erection	Cranes	1	4.00	231	0.29
Gen-tie foundation and tower erection	Forklifts	1	8.00	89	0.20
Gen-tie foundation and tower erection	Generator Sets	1	8.00	84	0.74
Gen-tie foundation and tower erection	Pumps	1	8.00	84	0.74
Gen-tie foundation and tower erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Gen-tie foundation and tower erection	Welders	1	8.00	46	0.45

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Substation Installation	Aerial Lifts	6	8.00	63	0.31
Substation Installation	Air Compressors	2	8.00	78	0.48
Substation Installation	Bore/Drill Rigs	2	8.00	221	0.50
Substation Installation	Cranes	2	8.00	231	0.29
Substation Installation	Excavators	2	8.00	158	0.38
Substation Installation	Forklifts	0	8.00	89	0.20
Substation Installation	Generator Sets	0	8.00	84	0.74
Substation Installation	Generator Sets	2	8.00	84	0.74
Substation Installation	Rollers	2	8.00	80	0.38
Substation Installation	Rough Terrain Forklifts	2	8.00	100	0.40
Substation Installation	Rubber Tired Dozers	2	8.00	247	0.40
Substation Installation	Skid Steer Loaders	2	8.00	65	0.37
Substation Installation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Substation Installation	Trenchers	4	8.00	78	0.50
Substation Installation	Welders	0	8.00	46	0.45
Gen-tie stringing and pulling	Cranes	0	4.00	231	0.29
Gen-tie stringing and pulling	Forklifts	1	6.00	89	0.20
Gen-tie stringing and pulling	Generator Sets	1	8.00	84	0.74
Gen-tie stringing and pulling	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	8	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Site Preparation	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Grading	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Battery/Container Installation	22	0.00	0.00	0.00	14.60	100.00	100.00	LD_Mix	HDT_Mix	HHDT
Gen-tie foundation and tower erection	6	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Substation Installation	32	0.00	0.00	0.00	14.60	100.00	20.00	LD_Mix	HDT_Mix	HHDT
Gen-tie stringing and pulling	3	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625		3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	1.0605	0.6114	1.6719	0.1145	0.5625	0.6770		3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.6296	17.5163	13.5452	0.0361		0.6114	0.6114		0.5625	0.5625	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838
Total	1.6296	17.5163	13.5452	0.0361	0.4772	0.6114	1.0886	0.0515	0.5625	0.6140	0.0000	3,496.7111	3,496.7111	1.1309		3,524.9838

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Substation Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132		2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	13.1047	0.7753	13.8799	6.7350	0.7132	7.4482		2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	1.6780	17.1518	10.7334	0.0233		0.7753	0.7753		0.7132	0.7132	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485
Total	1.6780	17.1518	10.7334	0.0233	5.8971	0.7753	6.6724	3.0307	0.7132	3.7440	0.0000	2,257.4955	2,257.4955	0.7301		2,275.7485

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Substation Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245		1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240
Total	0.9679	9.2153	9.6555	0.0130		0.5701	0.5701		0.5245	0.5245	0.0000	1,257.8536	1,257.8536	0.4068		1,268.0240

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Trenching - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5803	0.0000	1.5803	0.1932	0.0000	0.1932			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304		4,073.9613	4,073.9613	1.3025		4,106.5228
Total	2.0013	21.0675	17.6662	0.0423	1.5803	0.7922	2.3725	0.1932	0.7304	0.9236		4,073.9613	4,073.9613	1.3025		4,106.5228

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7111	0.0000	0.7111	0.0870	0.0000	0.0870			0.0000			0.0000
Off-Road	2.0013	21.0675	17.6662	0.0423		0.7922	0.7922		0.7304	0.7304	0.0000	4,073.9613	4,073.9613	1.3025		4,106.5228
Total	2.0013	21.0675	17.6662	0.0423	0.7111	0.7922	1.5034	0.0870	0.7304	0.8174	0.0000	4,073.9613	4,073.9613	1.3025		4,106.5228

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Substation Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.6244	0.0000	13.6244	6.8137	0.0000	6.8137			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617		2,765.7869	2,765.7869	0.8945		2,788.1497
Total	1.9694	20.2005	14.4335	0.0286	13.6244	0.9366	14.5610	6.8137	0.8617	7.6753		2,765.7869	2,765.7869	0.8945		2,788.1497

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1310	0.0000	6.1310	3.0662	0.0000	3.0662			0.0000			0.0000
Off-Road	1.9694	20.2005	14.4335	0.0286		0.9366	0.9366		0.8617	0.8617	0.0000	2,765.7869	2,765.7869	0.8945		2,788.1497
Total	1.9694	20.2005	14.4335	0.0286	6.1310	0.9366	7.0676	3.0662	0.8617	3.9278	0.0000	2,765.7869	2,765.7869	0.8945		2,788.1497

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Substation Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.7306	8,360.7306	1.5828		8,400.3003
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780		8,360.7306	8,360.7306	1.5828		8,400.3003

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003
Total	4.1171	37.2938	50.3284	0.0875		1.6468	1.6468		1.5780	1.5780	0.0000	8,360.7305	8,360.7305	1.5828		8,400.3003

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Battery/Container Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774		8,361.1021	8,361.1021	1.5715		8,400.3895

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.102 1	8,361.102 1	1.5715		8,400.389 5
Total	3.8676	34.6820	50.1816	0.0875		1.4384	1.4384		1.3774	1.3774	0.0000	8,361.102 1	8,361.102 1	1.5715		8,400.389 5

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Battery/Container Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081		2,256.2549	2,256.2549	0.2267		2,261.9216

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215
Total	1.2434	10.0935	13.4407	0.0241		0.4170	0.4170		0.4081	0.4081	0.0000	2,256.2549	2,256.2549	0.2267		2,261.9215

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Gen-tie foundation and tower erection - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Substation Installation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.17 79	12,673.17 79	3.5400		12,761.67 81
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464		12,673.17 79	12,673.17 79	3.5400		12,761.67 81

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.1779	12,673.1779	3.5400		12,761.6781
Total	6.2382	60.8926	68.9653	0.1314		2.7393	2.7393		2.5464	2.5464	0.0000	12,673.1779	12,673.1779	3.5400		12,761.6781

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Substation Installation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.1136	1,036.1136	0.1566		1,040.0291
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754		1,036.1136	1,036.1136	0.1566		1,040.0291

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291
Total	0.4637	4.3444	6.7395	0.0108		0.1823	0.1823		0.1754	0.1754	0.0000	1,036.1135	1,036.1135	0.1566		1,040.0291

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Gen-tie stringing and pulling - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125
Unmitigated	2.0800e-003	0.0493	0.0323	2.6000e-004	6.0719	5.1000e-004	6.0724	0.6061	4.9000e-004	0.6066		27.7785	27.7785	3.0000e-004	3.7800e-003	28.9125

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	0.00	1.18	1.18	1,695	1,695
Total	0.00	1.18	1.18	1,695	1,695

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-No	13.80	6.20	6.20	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-No Rail	0.250000	0.125000	0.125000	0.000000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Mitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Unmitigated	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275
Total	1.1100e-003	1.1000e-004	0.0120	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0258	0.0258	7.0000e-005		0.0275

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Cranes	1	8.00	1	231	0.29	Diesel

Desert Peak Energy Center Project Phase 2 LST - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Cranes	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation