

APPENDIX A

AIR QUALITY AND GREENHOUSE GAS TECHNICAL MEMORANDUM

MEMORANDUM

To: Rita Garcia and James Thomas
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From: Heidi Rous and Noemi Wyss
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Date: October 27, 2022

Subject: Project Ollie – Air Quality and Greenhouse Gas Analysis

Purpose

The purpose of this memorandum is to identify potential impacts from air quality and greenhouse gas (GHG) emissions resulting from construction and operation of the proposed Nash Street Data Center Expansion Project, located at 444 North Nash Street in the City of El Segundo (City), in the County of Los Angeles (County).

Project Location

The Project site is located in the northeast quadrant of the City of El Segundo (City), in the County of Los Angeles (County), approximately 18-miles southwest of downtown Los Angeles. It is approximately 0.5-mile south of Los Angeles International Airport (LAX). Regional access to the site is provided via the San Diego Freeway (Interstate 405) located approximately 1.0-mile to the west and Interstate 105 located approximately to the south. Additionally, Sepulveda Boulevard (Highway 1) is located approximately 0.5-mile to the east. The Project site is 0.5-acre of a larger 6.13-acre parcel site (Assessor's Parcel Number 4138-003-007) mid-way between East Mariposa Avenue on the north and East Grand Avenue on the south. The Project site is fully developed and is currently occupied by an approximately 116,756-SF data center and 70 parking spaces that include 3 ADA required spaces. On the east side of the parcel, there are three existing generators as well as a Southern California Edison substation at the southeast corner of the parcel.

Project Description

The proposed project would install up to seven additional emergency generators on concrete platforms on the property. Five of the generators would be located on the north side of the building while two would be on the east side adjacent to eight existing¹ generators on the property.

Air Quality Impacts

SCAQMD Thresholds

The SCAQMD CEQA Air Quality Handbook provides significance thresholds for volatile organic compounds (VOC) (also referred to as reactive organic gases [ROG]), nitrogen oxides (NO_x), carbon monoxide (CO), sulfur oxides (SO_x), particulate matter 10 microns or less in diameter (PM₁₀), and particulate matter 2.5 microns or less in diameter (PM_{2.5}). The thresholds apply to both project construction and operation within the SCAQMD jurisdictional boundaries. If the SCAQMD thresholds are exceeded, a potentially significant impact could result. However, ultimately the lead agency determines the thresholds of significance for impacts. If a project proposes development in excess of the established thresholds, as outlined in Table 2: South Coast Air Quality Management District Significance Thresholds, a significant air quality impact may occur and additional analysis is warranted to fully assess the significance of impacts.

Pollutant	Mass Daily Thresholds (pounds per day)	
	Construction	Operations
Nitrogen Oxides (NO _x)	100	55
Volatile Organic Compounds (VOC) ¹	75	55
Particulate Matter 10 Microns and smaller in diameter (PM ₁₀)	150	150
Particulate Matter 2.5 Microns and smaller in diameter (PM _{2.5})	55	55
Sulphur Oxides (SO _x)	150	150
Carbon Monoxide (CO)	550	550
Notes:		
1. VOCs and reactive organic gases (ROGs) are subsets of organic gases that are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. Although they represent slightly different subsets of organic gases, they are used interchangeably for the purposes of this analysis.		
Source: South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019.		

¹ At the time this technical study was performed four generators were installed and operational and four generators were being installed, pursuant to adoption of an MND and City approval in 2013. The presence of eight generators is the defined baseline for this technical study

State CEQA Guidelines §15145, Speculation, specifies that, “if, after thorough investigation, a Lead Agency finds that a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact.” There is no basis or available data for what the underlying assumptions an emergency operations analysis/modeling might include. Emergency operations would entirely depend on the nature and duration of emergency (i.e., the number of generators would depend on the power disruption, and operational hours during this time would depend on the duration of the emergency). Therefore, because analysis of the Project’s impacts under an emergency operations scenario would be too speculative, emergency operations were not analyzed. This analysis is based on the generators operating for certain non-emergency situations, including training of personnel under simulated emergency conditions, as part of emergency demand response procedures, or for standard performance testing procedures as required by law or by the generator manufacturer. The analysis assumes the training and standard performance testing would occur up to 50 hours per year per unit.

Construction Emissions

Construction associated with the proposed project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the project area include ozone-precursor pollutants (i.e., ROG and NO_x), PM₁₀, and PM_{2.5}. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD’s thresholds of significance. Construction results in the temporary generation of emissions resulting from concrete removal and pouring, use of diesel powered cranes, and motor vehicle exhaust associated with construction equipment and worker trips.

The duration of construction activities for the project is estimated to be approximately 2 months, beginning in July 2022. The project would install seven emergency generators on concrete platforms. Construction-generated emissions associated the proposed project were calculated using the CARB-approved California Emissions Estimator Model (CalEEMod), which is designed to model emissions for land use development projects, based on typical construction requirements. See Appendix A: Air Quality and GHG Data for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the proposed project are identified in Table 3: Project Construction Emissions.

Table 3: Project Construction Emissions						
Construction Year	Emissions (pounds per day)¹					
	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
2022	1.77	17.58	14.26	0.03	8.16	4.38
Maximum Emissions	1.77	17.58	14.26	0.03	8.16	4.38
SCAQMD Threshold	75	100	550	150	150	55
SCAQMD Threshold Exceeded?	No	No	No	No	No	No
Notes:						
1. Emissions were calculated using the California Emissions Estimator Model (CalEEMod) version 2020.4.0, as recommended by the SCAQMD. Worst-case seasonal maximum daily emissions are reported.						

Table 3 shows that construction pollutant emissions would remain below their respective thresholds. While impacts would be considered less than significant, the proposed project would also be subject to SCAQMD Rules 402, 403, and 1113, which prohibit nuisances, require dust control measures, and limit VOC content in paints, respectively. Compliance with the standards SCAQMD rules would further reduce specific construction-related emissions. As shown above, all criteria pollutant emissions would remain below their respective thresholds and impacts would be less than significant.

Operational Emissions

Operational emissions are associated with the emergency generators attributable to the proposed project. As shown in Table 4: Project Operational Emissions, the project’s emissions would not exceed SCAQMD thresholds with implementation of MM AQ-1. Therefore, regional operational emissions would result in a less than significant long-term regional air quality impact.

Table 4: Project Operational Emissions						
Source	Emissions (pounds per day) ¹					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Unmitigated Scenario						
Generators	7.98	412.86	68.74	0.7	5.74	5.74
Project Trips	0.03	0.03	0.52	0.002	0.19	0.05
Total	8.01	412.89	69.26	0.702	5.93	5.79
<i>SCAQMD Threshold</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
SCAQMD Threshold Exceeded?	No	Yes	No	No	No	No
Mitigated Scenario²						
Generators	0.41	25.19	3.73	0.04	0.34	0.34
Project Trips	0.03	0.03	0.52	0.002	0.19	0.05
Total	0.44	25.22	4.25	0.042	0.53	0.39
<i>SCAQMD Threshold</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
SCAQMD Threshold Exceeded?	No	No	No	No	No	No
Notes:						
<ol style="list-style-type: none"> 1. Emissions were calculated using the California Emissions Estimator Model (CalEEMod) version 2020.4.0, as recommended by the SCAQMD. Worst-case seasonal maximum daily emissions are reported. 2. Mitigated emissions include compliance with Mitigation Measure AQ-1, requiring generator maintenance and testing to be limited on any single day to no more than 110 minutes for the entire facility (15 generators). 3. Potential to emit (PTE) of an engine is based on the limit of 50 hours on maintenance and testing operations per year, in accordance with South Coast AQMD's policy and procedures No. EC-02-09, dated 2/24/2009. 						

These operational emissions are mostly attributed to a day in which generator routine testing, staff training, and maintenance could occur concurrently simultaneously. The 50 hours per year includes scheduled and unscheduled maintenance. The facility is required to monitor and demonstrate compliance. The scheduled maintenance would be dictated in accordance with manufacturers recommendations, which are currently not available until possessions of units. Additionally, a small amount of Project operational emissions would be attributed to vehicle trips from up to five additional employees.

As shown in [Table 4](#), the proposed project would exceed the SCAQMD thresholds for unmitigated operational NO_x. Mitigation Measure AQ-1 would require generator maintenance and testing to be limited on any single day to no more than 110 minutes for the entire facility (15 generators). Therefore, with implementation of Mitigation Measure AQ-1, all criteria pollutants would remain below their respective thresholds.

Localized Impacts

The nearest noise sensitive receptors to the project site is the swimming facility located approximately 350 feet to the southeast of the project site. To identify impacts to sensitive receptors, the SCAQMD recommends addressing Localized Significance Thresholds (LSTs) for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the Final Localized Significance Threshold Methodology (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with project-specific level proposed projects.

For this project, the appropriate source receptor area (SRA) for the localized significance thresholds is the Southwest Coastal Los Angeles (SRA 3) area since this area includes the project site. LSTs apply to NO_x, CO, PM₁₀, and PM_{2.5}. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. The project would include minor grading on the 0.5-acre site, however, based on the LST methodology and daily equipment modeled in CalEEMod, project construction is anticipated to disturb approximately 1 acres in a single day. As such, the LSTs for a maximum daily disturbance of 1 acres was interpolated for this analysis.

The SCAQMD’s methodology indicates that “off-site mobile emissions from the project should not be included in the emissions compared to LSTs.” Therefore, for purposes of the construction LST analysis, only emissions included in the CalEEMod “on-site” emissions outputs were considered. The nearest sensitive receptor to the project site is the recreational pool located 350 feet (107 meters) to the southeast of the project site. A soccer field is located 475 feet (145 feet) to the north of the project site. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, as recommended by the SCAQMD, LSTs for receptors located at 100 meters were utilized in this analysis for receptors closer than 107 meters. [Table 5: Localized Significance of Emissions](#), presents the results of localized emissions during construction activity. [Table 5](#) shows that the emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during construction activities.

Table 6: Localized Significance of Emissions				
Source/Activity	Emissions (pounds per day)¹			
	NO_x	CO	PM₁₀	PM_{2.5}
Construction Emissions				
Demolition 2022	16.81	13.19	1.76	0.93
Grading 2022	11.78	6.55	8.73	4.55

Table 6: Localized Significance of Emissions				
Source/Activity	Emissions (pounds per day)¹			
	NO_x	CO	PM₁₀	PM_{2.5}
Building Construction 2022	14.15	13.90	0.72	0.68
Paving 2022	7.85	9.24	0.39	0.36
SCAQMD Localized Screening Threshold (1 acre of disturbance at 100 meters)	107	1,156	28	9
Exceed SCAQMD Threshold?	No	No	No	No
Operational Emissions				
On-Site Emissions (Area + Energy Sources) ¹	25.31	4.37	0.54	0.95
SCAQMD Localized Screening Threshold (1 acre of disturbance at 50 meters)	107	1,156	7	3
Exceed SCAQMD Threshold?	No	No	No	No
Source: CalEEMod version 2020.4.0. Refer to Appendix A for model data outputs.				
1. This includes Mitigation Measure AQ-1 which limits maintenance and testing of the emergency generators.				

According to the SCAQMD localized significance threshold methodology, LSTs apply to on-site sources. LSTs for receptors located at 100 meters for SRA 3 were conservatively utilized in this analysis. The 1-acre LST threshold is used for the 0.5-acre project site. The operational emissions shown in [Table 6](#) include all on-site project-related stationary sources (i.e., area and energy sources). [Table 6](#) shows that the maximum daily emissions of these pollutants during operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during operational activities.

Carbon Monoxide Hotspots

An analysis of CO “hot spots” is needed to determine whether the change in the level of service (LOS) of an intersection from the proposed project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined.

Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard. An analysis prepared for CO attainment in the South Coast Air Basin by the SCAQMD can assist in evaluating the potential for CO exceedances. CO attainment was thoroughly analyzed as part of the SCAQMD’s 2003 Air Quality Management Plan. The Basin was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD’s AQMP.

The 2003 Air Quality Management Plan is the most recent AQMP that addresses CO concentrations. As part of the SCAQMD CO Hotspot analysis, the Century Boulevard/La Cienega Boulevard intersection, one of the most congested intersections in Southern California was modeled for CO concentrations. This modeling effort identified a CO concentration high of 3.7 parts per million (ppm), which is well below the 35- ppm federal standard. The proposed project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's 2003 CO hot-spot analysis. Furthermore, as part of the SCAQMD CO Hotspot analysis, the Wilshire Boulevard/Veteran Avenue intersection was analyzed. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection, which accommodates 100,000 vehicles daily, was analyzed and no CO hotspots were identified. According to the El Segundo General Plan Circulation Element Nash Street adjacent to the Project site has an existing 9,300 average daily trips. The Project is forecast to generate approximately 18 average daily trips; thus, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections as the Project would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's 2003 CO hot-spot analysis. Therefore, impacts would be less than significant in this regard.

Mitigation Measure AQ-1

Generator maintenance, staff training, and testing shall be limited on any single day to no more than 110 minutes for the entire facility (15 generators).

Greenhouse Gas Emissions

The project would include direct and indirect GHG emissions from project construction and operations. Construction is considered a direct source since these emissions occur at the site. Direct operational-related GHG emissions for the proposed project would include emissions from the generators.

South Coast Air Quality Management District Thresholds

The SCAQMD formed a GHG CEQA Significance Threshold Working Group (Working Group) to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. This Working Group was formed to assist SCAQMD’s efforts to develop a GHG significance threshold and included a wide variety of stakeholders including the State Office of Planning and Research (OPR), CARB, the Attorney General’s Office, a variety of city and county planning departments in the Air Basin, various utilities such as sanitation and power companies throughout the Air Basin, industry groups, and environmental and professional organizations. On December 5, 2008, the SCAQMD Governing Board adopted a 10,000 metric tons of carbon dioxide equivalent (MTCO_{2e}) industrial threshold for projects where the SCAQMD is the lead agency. However, the SCAQMD has not announced when a GHG thresholds for land use projects will be presented to the governing board where the SCAQMD is not the lead agency. The Working Group proposed a 3,000 MTCO_{2e} threshold for non-industrial projects but that threshold has not been formally adopted. Nonetheless, the City determined that the 3,000 MTCO_{2e} is the appropriate threshold to determine the significance of the GHGs arising from the addition of seven generators.

Construction GHG Emissions

Construction of the project would result in direct emissions of CO₂, N₂O, and CH₄ from construction equipment and the transport of materials and construction workers to and from the project site. Total GHG emissions generated during all phases of construction were combined and are presented in Table 6: Construction Greenhouse Gas Emissions. The CalEEMod outputs are contained within Appendix A. As shown in Table 6, the project construction would result in 79 MTCO_{2e} over the course of construction. Consistent with SCAQMD guidance, construction emissions will be amortized over the Project’s life, defined as 30 years, added to the operational emissions, and compared to the applicable interim GHG significance threshold.² The amortized project construction emissions would be approximately 2.6 MTCO_{2e} per year.

Table 6: Construction Greenhouse Gas Emissions	
Construction	MTCO_{2e} per Year
Total Construction	79
Amortized over 30 Years	2.6

Source: CalEEMod version 2020.4.0. Refer to Appendix A for model data outputs.

Operational GHG Emissions

² SCAQMD. (2008). *Staff Report for Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans, December 5, 2008*, [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2) ; page 5.

Operational or long-term emissions occur over the life of the proposed project. GHG emissions would result from direct emissions from the generators. Table 7: Total Project Greenhouse Gas Emissions summarizes the total GHG emissions associated with proposed project. As shown, the project would generate approximately 663 MTCO₂e/year. The project would not result in an increase in GHG emissions that exceed the SCAQMD’s screening threshold of 3,000 MTCO₂e/yr. Therefore, project-related GHG emissions would be less than significant.

Table 7: Total Project Greenhouse Gas Emissions	
Emissions Source	MTCO₂e per Year
Construction Amortized over 30 Years	2.60
New Generators	635
New Employee Trips	25
Total Project Emissions	663
SCAQMD Project Threshold	3,000
Threshold Exceeded?	No
Source: CalEEMod version 2020.4.0. Refer to Appendix A for model data outputs.	
1. Building operational emissions include the Applicant-provided data for the additional electrical demand created by internal electrical/equipment modifications supported by the proposed generators.	

Conclusion

Project implementation would result in less than significant construction and operational air quality and GHG impacts. No mitigation measures would be required. Therefore, the proposed project would not result in significant effects related to Section 15332(d) of the State CEQA Guidelines.

Appendix A

Air Quality and GHG Data

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule

Applied

**El Segundo (Ollie) Construction
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	20.00	1000sqft	0.46	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2022
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 - Paving for generator pads and roadway
- Construction Phase - Anticipated construction schedule
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment - anticipated construction equipment
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment - Anticipated construction equipment
- Demolition - 7,860 sf concrete demo, approx. 427 tons
- Grading - 125 cy export
- Vehicle Trips - anticipated daily trips for employees

Table Name	Column Name	Default Value	New Value
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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	100.00	44.00
tblConstructionPhase	NumDays	5.00	21.00
tblGrading	MaterialExported	0.00	125.00
tblOffRoadEquipment	UsageHours	8.00	9.00
tblOffRoadEquipment	UsageHours	1.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	4.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	8.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

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				

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2022	1.7689	17.5450	14.2613	0.0273	7.5770	0.8472	8.1583	3.8430	0.7931	4.3781	0.0000	2,664.8886	2,664.8886	0.5745	0.0877	2,693.5157
Maximum	1.7689	17.5450	14.2613	0.0273	7.5770	0.8472	8.1583	3.8430	0.7931	4.3781	0.0000	2,664.8886	2,664.8886	0.5745	0.0877	2,693.5157

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	1.7689	17.5450	14.2613	0.0273	7.5770	0.8472	8.1583	3.8430	0.7931	4.3781	0.0000	2,664.8886	2,664.8886	0.5745	0.0877	2,693.5157
Maximum	1.7689	17.5450	14.2613	0.0273	7.5770	0.8472	8.1583	3.8430	0.7931	4.3781	0.0000	2,664.8886	2,664.8886	0.5745	0.0877	2,693.5157

	ROG	NOx	CO	SO2	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

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003
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
Mobile	0.0000	0.0000	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	8.8000e-003	2.0000e-005	2.0500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	0.0000	4.6700e-003

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	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003
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
Mobile	0.0000	0.0000	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	8.8000e-003	2.0000e-005	2.0500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	0.0000	4.6700e-003

	ROG	NOx	CO	SO2	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

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/15/2022	7/28/2022	5	10	
2	Grading	Grading	7/29/2022	8/1/2022	5	2	
3	Building Construction	Building Construction	8/2/2022	9/30/2022	5	44	
4	Paving	Paving	10/1/2022	10/31/2022	5	21	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.13

Acres of Paving: 0.46

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
Demolition	Concrete/Industrial Saws	1	9.00	81	0.73
Demolition	Rubber Tired Dozers	1	9.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	9.00	97	0.37
Grading	Rubber Tired Dozers	1	9.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	9.00	97	0.37
Building Construction	Cranes	1	9.00	231	0.29
Building Construction	Forklifts	2	9.00	89	0.20
Building Construction	Generator Sets	1	9.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	9.00	97	0.37
Paving	Cement and Mortar Mixers	4	9.00	9	0.56
Paving	Pavers	1	9.00	130	0.42
Paving	Rollers	1	9.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	9.00	97	0.37

Trips and VMT

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Demolition	4	10.00	0.00	42.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					0.9137	0.0000	0.9137	0.1384	0.0000	0.1384			0.0000			0.0000
Off-Road	1.7148	16.8144	13.1879	0.0236		0.8413	0.8413		0.7875	0.7875		2,274.9501	2,274.9501	0.5565		2,288.8625
Total	1.7148	16.8144	13.1879	0.0236	0.9137	0.8413	1.7550	0.1384	0.7875	0.9258		2,274.9501	2,274.9501	0.5565		2,288.8625

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	0.0196	0.7054	0.1645	2.6100e-003	0.0735	5.2400e-003	0.0788	0.0202	5.0100e-003	0.0252		285.9258	285.9258	0.0152	0.0454	299.8244
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	0.0346	0.0253	0.3941	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		104.0127	104.0127	2.8200e-003	2.5000e-003	104.8288
Total	0.0542	0.7307	0.5586	3.6300e-003	0.1853	5.9600e-003	0.1913	0.0498	5.6700e-003	0.0555		389.9385	389.9385	0.0180	0.0479	404.6532

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					0.9137	0.0000	0.9137	0.1384	0.0000	0.1384			0.0000			0.0000
Off-Road	1.7148	16.8144	13.1879	0.0236		0.8413	0.8413		0.7875	0.7875	0.0000	2,274.9501	2,274.9501	0.5565		2,288.8625
Total	1.7148	16.8144	13.1879	0.0236	0.9137	0.8413	1.7550	0.1384	0.7875	0.9258	0.0000	2,274.9501	2,274.9501	0.5565		2,288.8625

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
	Hauling	0.0196	0.7054	0.1645	2.6100e-003	0.0735	5.2400e-003	0.0788	0.0202	5.0100e-003	0.0252		285.9258	285.9258	0.0152	0.0454
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	0.0346	0.0253	0.3941	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		104.0127	104.0127	2.8200e-003	2.5000e-003	104.8288
Total	0.0542	0.7307	0.5586	3.6300e-003	0.1853	5.9600e-003	0.1913	0.0498	5.6700e-003	0.0555		389.9385	389.9385	0.0180	0.0479	404.6532

3.3 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					7.3811	0.0000	7.3811	3.7898	0.0000	3.7898			0.0000			0.0000
Off-Road	1.1270	11.7780	6.5474	0.0131		0.5709	0.5709		0.5253	0.5253		1,269.3086	1,269.3086	0.4105		1,279.5716
Total	1.1270	11.7780	6.5474	0.0131	7.3811	0.5709	7.9520	3.7898	0.5253	4.3150		1,269.3086	1,269.3086	0.4105		1,279.5716

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
	Hauling	0.0373	1.3436	0.3133	4.9700e-003	0.1400	9.9800e-003	0.1500	0.0384	9.5500e-003	0.0479		544.6205	544.6205	0.0289	0.0864
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	0.0173	0.0126	0.1971	5.1000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.0064	52.0064	1.4100e-003	1.2500e-003	52.4144
Total	0.0546	1.3562	0.5104	5.4800e-003	0.1959	0.0103	0.2063	0.0532	9.8800e-003	0.0631		596.6268	596.6268	0.0303	0.0877	623.5085

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					7.3811	0.0000	7.3811	3.7898	0.0000	3.7898			0.0000			0.0000
Off-Road	1.1270	11.7780	6.5474	0.0131		0.5709	0.5709		0.5253	0.5253	0.0000	1,269.3086	1,269.3086	0.4105		1,279.5716
Total	1.1270	11.7780	6.5474	0.0131	7.3811	0.5709	7.9520	3.7898	0.5253	4.3150	0.0000	1,269.3086	1,269.3086	0.4105		1,279.5716

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
	Hauling	0.0373	1.3436	0.3133	4.9700e-003	0.1400	9.9800e-003	0.1500	0.0384	9.5500e-003	0.0479		544.6205	544.6205	0.0289	0.0864
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	0.0173	0.0126	0.1971	5.1000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.0064	52.0064	1.4100e-003	1.2500e-003	52.4144
Total	0.0546	1.3562	0.5104	5.4800e-003	0.1959	0.0103	0.2063	0.0532	9.8800e-003	0.0631		596.6268	596.6268	0.0303	0.0877	623.5085

3.4 Building Construction - 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	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763		2,340.4550	2,340.4550	0.5636		2,354.5441
Total	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763		2,340.4550	2,340.4550	0.5636		2,354.5441

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9000e-003	0.1470	0.0504	5.9000e-004	0.0192	1.4000e-003	0.0206	5.5300e-003	1.3400e-003	6.8700e-003		63.1385	63.1385	2.1100e-003	9.1000e-003	65.9025
Worker	0.0277	0.0202	0.3153	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		83.2102	83.2102	2.2500e-003	2.0000e-003	83.8630
Total	0.0336	0.1672	0.3657	1.4100e-003	0.1086	1.9700e-003	0.1106	0.0292	1.8700e-003	0.0311		146.3486	146.3486	4.3600e-003	0.0111	149.7656

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	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763	0.0000	2,340.4550	2,340.4550	0.5636		2,354.5441
Total	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763	0.0000	2,340.4550	2,340.4550	0.5636		2,354.5441

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

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	5.9000e-003	0.1470	0.0504	5.9000e-004	0.0192	1.4000e-003	0.0206	5.5300e-003	1.3400e-003	6.8700e-003		63.1385	63.1385	2.1100e-003	9.1000e-003	65.9025
Worker	0.0277	0.0202	0.3153	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		83.2102	83.2102	2.2500e-003	2.0000e-003	83.8630
Total	0.0336	0.1672	0.3657	1.4100e-003	0.1086	1.9700e-003	0.1106	0.0292	1.8700e-003	0.0311		146.3486	146.3486	4.3600e-003	0.0111	149.7656

3.5 Paving - 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	0.8695	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638		1,364.2492	1,364.2492	0.3913		1,374.0318
Paving	0.0574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9269	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638		1,364.2492	1,364.2492	0.3913		1,374.0318

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

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0623	0.0455	0.7094	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		187.2229	187.2229	5.0700e-003	4.5000e-003	188.6918
Total	0.0623	0.0455	0.7094	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		187.2229	187.2229	5.0700e-003	4.5000e-003	188.6918

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	0.8695	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638	0.0000	1,364.2492	1,364.2492	0.3913		1,374.0318
Paving	0.0574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9269	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638	0.0000	1,364.2492	1,364.2492	0.3913		1,374.0318

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

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546774	0.061880	0.186704	0.127505	0.022909	0.005912	0.010702	0.008032	0.000940	0.000617	0.023937	0.000692	0.0033

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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

Mitigated

	Natural Gas 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					
Other Asphalt Surfaces	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
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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day								lb/day							
Mitigated	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003
Unmitigated	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003

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	1.5200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003
Total	8.7900e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	1.5200e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	7.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	4.6700e-003
Total	8.7900e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	4.6700e-003

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
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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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El Segundo (Ollie) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule

Applied

**El Segundo (Ollie) Construction
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	20.00	1000sqft	0.46	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2022
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 - Paving for generator pads and roadway
- Construction Phase - Anticipated construction schedule
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment - anticipated construction equipment
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment - Anticipated construction equipment
- Demolition - 7,860 sf concrete demo, approx. 427 tons
- Grading - 125 cy export
- Vehicle Trips - anticipated daily trips for employees

Table Name	Column Name	Default Value	New Value
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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	100.00	44.00
tblConstructionPhase	NumDays	5.00	21.00
tblGrading	MaterialExported	0.00	125.00
tblOffRoadEquipment	UsageHours	8.00	9.00
tblOffRoadEquipment	UsageHours	1.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	4.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	8.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2022	1.7709	17.5763	14.2373	0.0272	7.5770	0.8472	8.1583	3.8430	0.7932	4.3781	0.0000	2,659.4730	2,659.4730	0.5745	0.0878	2,688.1559
Maximum	1.7709	17.5763	14.2373	0.0272	7.5770	0.8472	8.1583	3.8430	0.7932	4.3781	0.0000	2,659.4730	2,659.4730	0.5745	0.0878	2,688.1559

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	1.7709	17.5763	14.2373	0.0272	7.5770	0.8472	8.1583	3.8430	0.7932	4.3781	0.0000	2,659.4730	2,659.4730	0.5745	0.0878	2,688.1559
Maximum	1.7709	17.5763	14.2373	0.0272	7.5770	0.8472	8.1583	3.8430	0.7932	4.3781	0.0000	2,659.4730	2,659.4730	0.5745	0.0878	2,688.1559

	ROG	NOx	CO	SO2	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

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003
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
Mobile	0.0000	0.0000	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	8.8000e-003	2.0000e-005	2.0500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	0.0000	4.6700e-003

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	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003
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
Mobile	0.0000	0.0000	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	8.8000e-003	2.0000e-005	2.0500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	0.0000	4.6700e-003

	ROG	NOx	CO	SO2	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

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/15/2022	7/28/2022	5	10	
2	Grading	Grading	7/29/2022	8/1/2022	5	2	
3	Building Construction	Building Construction	8/2/2022	9/30/2022	5	44	
4	Paving	Paving	10/1/2022	10/31/2022	5	21	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.13

Acres of Paving: 0.46

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
Demolition	Concrete/Industrial Saws	1	9.00	81	0.73
Demolition	Rubber Tired Dozers	1	9.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	9.00	97	0.37
Grading	Rubber Tired Dozers	1	9.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	9.00	97	0.37
Building Construction	Cranes	1	9.00	231	0.29
Building Construction	Forklifts	2	9.00	89	0.20
Building Construction	Generator Sets	1	9.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	9.00	97	0.37
Paving	Cement and Mortar Mixers	4	9.00	9	0.56
Paving	Pavers	1	9.00	130	0.42
Paving	Rollers	1	9.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	9.00	97	0.37

Trips and VMT

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Demolition	4	10.00	0.00	42.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					0.9137	0.0000	0.9137	0.1384	0.0000	0.1384			0.0000			0.0000
Off-Road	1.7148	16.8144	13.1879	0.0236		0.8413	0.8413		0.7875	0.7875		2,274.9501	2,274.9501	0.5565		2,288.8625
Total	1.7148	16.8144	13.1879	0.0236	0.9137	0.8413	1.7550	0.1384	0.7875	0.9258		2,274.9501	2,274.9501	0.5565		2,288.8625

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
	Hauling	0.0191	0.7340	0.1674	2.6100e-003	0.0735	5.2500e-003	0.0788	0.0202	5.0200e-003	0.0252		286.0096	286.0096	0.0152	0.0454
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	0.0371	0.0279	0.3619	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		98.5133	98.5133	2.8500e-003	2.6700e-003	99.3813
Total	0.0562	0.7619	0.5292	3.5800e-003	0.1853	5.9700e-003	0.1913	0.0498	5.6800e-003	0.0555		384.5229	384.5229	0.0180	0.0481	399.2934

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					0.9137	0.0000	0.9137	0.1384	0.0000	0.1384			0.0000			0.0000
Off-Road	1.7148	16.8144	13.1879	0.0236		0.8413	0.8413		0.7875	0.7875	0.0000	2,274.9501	2,274.9501	0.5565		2,288.8625
Total	1.7148	16.8144	13.1879	0.0236	0.9137	0.8413	1.7550	0.1384	0.7875	0.9258	0.0000	2,274.9501	2,274.9501	0.5565		2,288.8625

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Hauling	0.0191	0.7340	0.1674	2.6100e-003	0.0735	5.2500e-003	0.0788	0.0202	5.0200e-003	0.0252		286.0096	286.0096	0.0152	0.0454	299.9120
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	0.0371	0.0279	0.3619	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		98.5133	98.5133	2.8500e-003	2.6700e-003	99.3813
Total	0.0562	0.7619	0.5292	3.5800e-003	0.1853	5.9700e-003	0.1913	0.0498	5.6800e-003	0.0555		384.5229	384.5229	0.0180	0.0481	399.2934

3.3 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					7.3811	0.0000	7.3811	3.7898	0.0000	3.7898			0.0000			0.0000
Off-Road	1.1270	11.7780	6.5474	0.0131		0.5709	0.5709		0.5253	0.5253		1,269.3086	1,269.3086	0.4105		1,279.5716
Total	1.1270	11.7780	6.5474	0.0131	7.3811	0.5709	7.9520	3.7898	0.5253	4.3150		1,269.3086	1,269.3086	0.4105		1,279.5716

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
	Hauling	0.0364	1.3981	0.3188	4.9700e-003	0.1400	0.0100	0.1500	0.0384	9.5700e-003	0.0480		544.7801	544.7801	0.0289	0.0864
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	0.0185	0.0140	0.1809	4.8000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.2567	49.2567	1.4200e-003	1.3400e-003	49.6907
Total	0.0549	1.4121	0.4997	5.4500e-003	0.1959	0.0104	0.2063	0.0532	9.9000e-003	0.0631		594.0368	594.0368	0.0303	0.0878	620.9517

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					7.3811	0.0000	7.3811	3.7898	0.0000	3.7898			0.0000			0.0000
Off-Road	1.1270	11.7780	6.5474	0.0131		0.5709	0.5709		0.5253	0.5253	0.0000	1,269.3086	1,269.3086	0.4105		1,279.5716
Total	1.1270	11.7780	6.5474	0.0131	7.3811	0.5709	7.9520	3.7898	0.5253	4.3150	0.0000	1,269.3086	1,269.3086	0.4105		1,279.5716

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
	Hauling	0.0364	1.3981	0.3188	4.9700e-003	0.1400	0.0100	0.1500	0.0384	9.5700e-003	0.0480		544.7801	544.7801	0.0289	0.0864
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	0.0185	0.0140	0.1809	4.8000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.2567	49.2567	1.4200e-003	1.3400e-003	49.6907
Total	0.0549	1.4121	0.4997	5.4500e-003	0.1959	0.0104	0.2063	0.0532	9.9000e-003	0.0631		594.0368	594.0368	0.0303	0.0878	620.9517

3.4 Building Construction - 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	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763		2,340.4550	2,340.4550	0.5636		2,354.5441
Total	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763		2,340.4550	2,340.4550	0.5636		2,354.5441

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8300e-003	0.1530	0.0521	5.9000e-004	0.0192	1.4000e-003	0.0206	5.5300e-003	1.3400e-003	6.8800e-003		63.1622	63.1622	2.1000e-003	9.1100e-003	65.9296
Worker	0.0296	0.0223	0.2895	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.8107	78.8107	2.2800e-003	2.1400e-003	79.5051
Total	0.0355	0.1754	0.3416	1.3600e-003	0.1086	1.9700e-003	0.1106	0.0292	1.8700e-003	0.0311		141.9729	141.9729	4.3800e-003	0.0113	145.4347

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	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763	0.0000	2,340.4550	2,340.4550	0.5636		2,354.5441
Total	1.4170	14.1453	13.8956	0.0243		0.7207	0.7207		0.6763	0.6763	0.0000	2,340.4550	2,340.4550	0.5636		2,354.5441

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

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	5.8300e-003	0.1530	0.0521	5.9000e-004	0.0192	1.4000e-003	0.0206	5.5300e-003	1.3400e-003	6.8800e-003		63.1622	63.1622	2.1000e-003	9.1100e-003	65.9296
Worker	0.0296	0.0223	0.2895	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.8107	78.8107	2.2800e-003	2.1400e-003	79.5051
Total	0.0355	0.1754	0.3416	1.3600e-003	0.1086	1.9700e-003	0.1106	0.0292	1.8700e-003	0.0311		141.9729	141.9729	4.3800e-003	0.0113	145.4347

3.5 Paving - 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	0.8695	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638		1,364.2492	1,364.2492	0.3913		1,374.0318
Paving	0.0574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9269	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638		1,364.2492	1,364.2492	0.3913		1,374.0318

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

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0000
Worker	0.0667	0.0503	0.6514	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		177.3240	177.3240	5.1300e-003	4.8100e-003	178.8864
Total	0.0667	0.0503	0.6514	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		177.3240	177.3240	5.1300e-003	4.8100e-003	178.8864

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	0.8695	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638	0.0000	1,364.2492	1,364.2492	0.3913		1,374.0318
Paving	0.0574					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9269	7.8448	9.2430	0.0149		0.3899	0.3899		0.3638	0.3638	0.0000	1,364.2492	1,364.2492	0.3913		1,374.0318

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

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546774	0.061880	0.186704	0.127505	0.022909	0.005912	0.010702	0.008032	0.000940	0.000617	0.023937	0.000692	0.0033

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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

Mitigated

Land Use	Natural Gas 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					
Other Asphalt Surfaces	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
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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Mitigated	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003
Unmitigated	8.8000e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6700e-003

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	1.5200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.3800e-003	4.3800e-003	1.0000e-005	4.6700e-003
Total	8.7900e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.3800e-003	4.3800e-003	1.0000e-005	4.6700e-003

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	1.5200e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	7.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	4.6700e-003
Total	8.7900e-003	2.0000e-005	2.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005	4.6700e-003

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
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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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El Segundo (Ollie) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**El Segundo (Ollie) Operations
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	116.76	1000sqft	2.68	116,760.00	0
Parking Lot	70.00	Space	0.63	28,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Operational only
- Construction Phase - Operational only run
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment -
- Demolition -
- Grading -
- Vehicle Trips - antipated trips for 5 employees
- Energy Use - Estimated energy use
- Fleet Mix - employee trips

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.53	141.74
tblFleetMix	HHD	8.0320e-003	0.00
tblFleetMix	LDA	0.55	1.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.9120e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3970e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.4000e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	UBUS	6.1700e-004	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	0.17
tblVehicleTrips	SU_TR	1.74	0.17
tblVehicleTrips	WD_TR	1.74	0.17

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Year	lb/day										lb/day					
2022	2.6911	25.7573	21.1853	0.0404	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,902.8002	3,902.8002	1.0567	3.7500e-003	3,930.3352
Maximum	2.6911	25.7573	21.1853	0.0404	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,902.8002	3,902.8002	1.0567	3.7500e-003	3,930.3352

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	2.6911	25.7573	21.1853	0.0404	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,902.8002	3,902.8002	1.0567	3.7500e-003	3,930.3352
Maximum	2.6911	25.7573	21.1853	0.0404	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,902.8002	3,902.8002	1.0567	3.7500e-003	3,930.3352

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

Unmitigated Operational

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/15/2022	8/11/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.63

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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0000	1.2427	1.2427	0.0000	1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
Total	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432

Mitigated Construction On-Site

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0000	1.2427	1.2427	0.0000	1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
Total	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432

4.0 Operational Detail - Mobile

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669
NaturalGas Unmitigated	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669

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					
Parking Lot	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
Unrefrigerated Warehouse-No Rail	1244.37	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669
Total		0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Natural Gas 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					
Parking Lot	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
Unrefrigerated Warehouse-No Rail	1.24437	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669
Total		0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669

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	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436
Unmitigated	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.2987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3218					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.7800e-003	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436
Total	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436

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	0.2987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3218					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.7800e-003	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436
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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
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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

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**El Segundo (Ollie) Operations
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	116.76	1000sqft	2.68	116,760.00	0
Parking Lot	70.00	Space	0.63	28,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Operational only
- Construction Phase - Operational only run
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment -
- Demolition -
- Grading -
- Vehicle Trips - antipated trips for 5 employees
- Energy Use - Estimated energy use
- Fleet Mix - employee trips

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.53	141.74
tblFleetMix	HHD	8.0320e-003	0.00
tblFleetMix	LDA	0.55	1.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.9120e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3970e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.4000e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	UBUS	6.1700e-004	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	0.17
tblVehicleTrips	SU_TR	1.74	0.17
tblVehicleTrips	WD_TR	1.74	0.17

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Year	lb/day										lb/day					
2022	2.6948	25.7613	21.1369	0.0403	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,894.5511	3,894.5511	1.0567	4.0100e-003	3,922.1640
Maximum	2.6948	25.7613	21.1369	0.0403	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,894.5511	3,894.5511	1.0567	4.0100e-003	3,922.1640

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	2.6948	25.7613	21.1369	0.0403	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,894.5511	3,894.5511	1.0567	4.0100e-003	3,922.1640
Maximum	2.6948	25.7613	21.1369	0.0403	0.1677	1.2437	1.4114	0.0445	1.1562	1.2007	0.0000	3,894.5511	3,894.5511	1.0567	4.0100e-003	3,922.1640

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

Unmitigated Operational

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/15/2022	8/11/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.63

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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0000	1.2427	1.2427	0.0000	1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
Total	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720

Mitigated Construction On-Site

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0000	1.2427	1.2427	0.0000	1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
Total	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720

4.0 Operational Detail - Mobile

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003			146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669
NaturalGas Unmitigated	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003			146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669

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						
Parking Lot	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	
Unrefrigerated Warehouse-No Rail	1244.37	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003			146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669
Total		0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003			146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Natural Gas 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					
Parking Lot	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
Unrefrigerated Warehouse-No Rail	1.24437	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669
Total		0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003		146.3969	146.3969	2.8100e-003	2.6800e-003	147.2669

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	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436
Unmitigated	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.2987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3218					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.7800e-003	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436
Total	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436

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	0.2987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3218					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.7800e-003	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.6222	1.7000e-004	0.0191	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0409	0.0409	1.1000e-004		0.0436
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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
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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

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule

Applied

El Segundo (Ollie) Construction
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	20.00	1000sqft	0.46	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Paving for generator pads and roadway
- Construction Phase - Anticipated construction schedule
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment - anticipated construction equipment
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment - Anticipated construction equipment
- Demolition - 7,860 sf concrete demo, approx. 427 tons
- Grading - 125 cy export
- Vehicle Trips - anticipated daily trips for employees

Table Name	Column Name	Default Value	New Value
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El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	100.00	44.00
tblConstructionPhase	NumDays	5.00	21.00
tblGrading	MaterialExported	0.00	125.00
tblOffRoadEquipment	UsageHours	8.00	9.00
tblOffRoadEquipment	UsageHours	1.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	4.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	8.00	9.00
tblOffRoadEquipment	UsageHours	6.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblOffRoadEquipment	UsageHours	7.00	9.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Year	tons/yr										MT/yr					
2022	0.0523	0.4991	0.4931	9.0000e-004	0.0175	0.0248	0.0423	5.9600e-003	0.0233	0.0292	0.0000	78.0378	78.0378	0.0181	5.7000e-004	78.6604
Maximum	0.0523	0.4991	0.4931	9.0000e-004	0.0175	0.0248	0.0423	5.9600e-003	0.0233	0.0292	0.0000	78.0378	78.0378	0.0181	5.7000e-004	78.6604

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	0.0523	0.4991	0.4931	9.0000e-004	0.0175	0.0248	0.0423	5.9600e-003	0.0233	0.0292	0.0000	78.0377	78.0377	0.0181	5.7000e-004	78.6603
Maximum	0.0523	0.4991	0.4931	9.0000e-004	0.0175	0.0248	0.0423	5.9600e-003	0.0233	0.0292	0.0000	78.0377	78.0377	0.0181	5.7000e-004	78.6603

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-15-2022	9-30-2022	0.4548	0.4548
		Highest	0.4548	0.4548

2.2 Overall Operational

Unmitigated Operational

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.5900e-003	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.0000e-004	5.0000e-004	0.0000	0.0000	5.3000e-004

	ROG	NOx	CO	SO2	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	Demolition	Demolition	7/15/2022	7/28/2022	5	10	
2	Grading	Grading	7/29/2022	8/1/2022	5	2	
3	Building Construction	Building Construction	8/2/2022	9/30/2022	5	44	
4	Paving	Paving	10/1/2022	10/31/2022	5	21	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.13

Acres of Paving: 0.46

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
Demolition	Concrete/Industrial Saws	1	9.00	81	0.73
Demolition	Rubber Tired Dozers	1	9.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	9.00	97	0.37

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Rubber Tired Dozers	1	9.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	9.00	97	0.37
Building Construction	Cranes	1	9.00	231	0.29
Building Construction	Forklifts	2	9.00	89	0.20
Building Construction	Generator Sets	1	9.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	9.00	97	0.37
Paving	Cement and Mortar Mixers	4	9.00	9	0.56
Paving	Pavers	1	9.00	130	0.42
Paving	Rollers	1	9.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	9.00	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
Demolition	4	10.00	0.00	42.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fugitive Dust					4.5700e-003	0.0000	4.5700e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5700e-003	0.0841	0.0659	1.2000e-004		4.2100e-003	4.2100e-003		3.9400e-003	3.9400e-003	0.0000	10.3190	10.3190	2.5200e-003	0.0000	10.3821
Total	8.5700e-003	0.0841	0.0659	1.2000e-004	4.5700e-003	4.2100e-003	8.7800e-003	6.9000e-004	3.9400e-003	4.6300e-003	0.0000	10.3190	10.3190	2.5200e-003	0.0000	10.3821

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	1.0000e-004	3.7100e-003	8.3000e-004	1.0000e-005	3.6000e-004	3.0000e-005	3.9000e-004	1.0000e-004	3.0000e-005	1.2000e-004	0.0000	1.2971	1.2971	7.0000e-005	2.1000e-004	1.3602
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	0.0000
Worker	1.7000e-004	1.4000e-004	1.8600e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4535	0.4535	1.0000e-005	1.0000e-005	0.4575
Total	2.7000e-004	3.8500e-003	2.6900e-003	1.0000e-005	9.1000e-004	3.0000e-005	9.4000e-004	2.5000e-004	3.0000e-005	2.7000e-004	0.0000	1.7506	1.7506	8.0000e-005	2.2000e-004	1.8177

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fugitive Dust					4.5700e-003	0.0000	4.5700e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5700e-003	0.0841	0.0659	1.2000e-004		4.2100e-003	4.2100e-003		3.9400e-003	3.9400e-003	0.0000	10.3190	10.3190	2.5200e-003	0.0000	10.3821
Total	8.5700e-003	0.0841	0.0659	1.2000e-004	4.5700e-003	4.2100e-003	8.7800e-003	6.9000e-004	3.9400e-003	4.6300e-003	0.0000	10.3190	10.3190	2.5200e-003	0.0000	10.3821

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	1.0000e-004	3.7100e-003	8.3000e-004	1.0000e-005	3.6000e-004	3.0000e-005	3.9000e-004	1.0000e-004	3.0000e-005	1.2000e-004	0.0000	1.2971	1.2971	7.0000e-005	2.1000e-004	1.3602
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	0.0000
Worker	1.7000e-004	1.4000e-004	1.8600e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4535	0.4535	1.0000e-005	1.0000e-005	0.4575
Total	2.7000e-004	3.8500e-003	2.6900e-003	1.0000e-005	9.1000e-004	3.0000e-005	9.4000e-004	2.5000e-004	3.0000e-005	2.7000e-004	0.0000	1.7506	1.7506	8.0000e-005	2.2000e-004	1.8177

3.3 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					

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fugitive Dust					7.3800e-003	0.0000	7.3800e-003	3.7900e-003	0.0000	3.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1300e-003	0.0118	6.5500e-003	1.0000e-005		5.7000e-004	5.7000e-004		5.3000e-004	5.3000e-004	0.0000	1.1515	1.1515	3.7000e-004	0.0000	1.1608
Total	1.1300e-003	0.0118	6.5500e-003	1.0000e-005	7.3800e-003	5.7000e-004	7.9500e-003	3.7900e-003	5.3000e-004	4.3200e-003	0.0000	1.1515	1.1515	3.7000e-004	0.0000	1.1608

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	4.0000e-005	1.4200e-003	3.2000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4941	0.4941	3.0000e-005	8.0000e-005	0.5182
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	0.0000
Worker	2.0000e-005	1.0000e-005	1.9000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0454	0.0454	0.0000	0.0000	0.0458
Total	6.0000e-005	1.4300e-003	5.1000e-004	0.0000	1.9000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5395	0.5395	3.0000e-005	8.0000e-005	0.5639

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					

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fugitive Dust					7.3800e-003	0.0000	7.3800e-003	3.7900e-003	0.0000	3.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1300e-003	0.0118	6.5500e-003	1.0000e-005		5.7000e-004	5.7000e-004		5.3000e-004	5.3000e-004	0.0000	1.1515	1.1515	3.7000e-004	0.0000	1.1608
Total	1.1300e-003	0.0118	6.5500e-003	1.0000e-005	7.3800e-003	5.7000e-004	7.9500e-003	3.7900e-003	5.3000e-004	4.3200e-003	0.0000	1.1515	1.1515	3.7000e-004	0.0000	1.1608

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	4.0000e-005	1.4200e-003	3.2000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4941	0.4941	3.0000e-005	8.0000e-005	0.5182
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	0.0000
Worker	2.0000e-005	1.0000e-005	1.9000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0454	0.0454	0.0000	0.0000	0.0458
Total	6.0000e-005	1.4300e-003	5.1000e-004	0.0000	1.9000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5395	0.5395	3.0000e-005	8.0000e-005	0.5639

3.4 Building Construction - 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					

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.0312	0.3112	0.3057	5.4000e-004		0.0159	0.0159		0.0149	0.0149	0.0000	46.7110	46.7110	0.0113	0.0000	46.9921
Total	0.0312	0.3112	0.3057	5.4000e-004		0.0159	0.0159		0.0149	0.0149	0.0000	46.7110	46.7110	0.0113	0.0000	46.9921

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	1.3000e-004	3.3900e-003	1.1300e-003	1.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.2603	1.2603	4.0000e-005	1.8000e-004	1.3156
Worker	6.0000e-004	5.0000e-004	6.5300e-003	2.0000e-005	1.9300e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.5964	1.5964	5.0000e-005	4.0000e-005	1.6105
Total	7.3000e-004	3.8900e-003	7.6600e-003	3.0000e-005	2.3500e-003	4.0000e-005	2.3900e-003	6.3000e-004	4.0000e-005	6.7000e-004	0.0000	2.8568	2.8568	9.0000e-005	2.2000e-004	2.9261

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	0.0312	0.3112	0.3057	5.4000e-004		0.0159	0.0159		0.0149	0.0149	0.0000	46.7109	46.7109	0.0113	0.0000	46.9921

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	9.7300e-003	0.0824	0.0971	1.6000e-004		4.0900e-003	4.0900e-003		3.8200e-003	3.8200e-003	0.0000	12.9951	12.9951	3.7300e-003	0.0000	13.0882
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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	0.0000	0.0000	0.0000	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	6.5000e-004	6.4000e-004	7.0200e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7144	1.7144	5.0000e-005	5.0000e-005	1.7295
Total	6.5000e-004	5.4000e-004	7.0200e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7144	1.7144	5.0000e-005	5.0000e-005	1.7295

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
	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	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	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
Other Asphalt Surfaces	0.546774	0.061880	0.186704	0.127505	0.022909	0.005912	0.010702	0.008032	0.000940	0.000617	0.023937	0.000692	0.003

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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

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	tons/yr										MT/yr					
Other Asphalt Surfaces	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	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

Mitigated

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Natural Gas 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	tons/yr										MT/yr						
Other Asphalt Surfaces	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	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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
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El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		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	tons/yr										MT/yr					
Mitigated	1.5900e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-004	5.0000e-004	0.0000	0.0000	5.3000e-004
Unmitigated	1.5900e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-004	5.0000e-004	0.0000	0.0000	5.3000e-004

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
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El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory		tons/yr								MT/yr						
Architectural Coating	2.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-004	5.0000e-004	0.0000	0.0000	5.3000e-004
Total	1.5900e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-004	5.0000e-004	0.0000	0.0000	5.3000e-004

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	2.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-004	5.0000e-004	0.0000	0.0000	5.3000e-004
Total	1.5900e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-004	5.0000e-004	0.0000	0.0000	5.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Other Asphalt Surfaces 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

8.2 Waste by Land Use

Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Waste Disposed	Total CO2	CH4	N2O	CO2e
Other Asphalt Surfaces	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
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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

El Segundo (Ollie) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**El Segundo (Ollie) Operations
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	116.76	1000sqft	2.68	116,760.00	0
Parking Lot	70.00	Space	0.63	28,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Operational only
- Construction Phase - Operational only run
- Off-road Equipment - Anticipated construction equipment
- Off-road Equipment -
- Demolition -
- Grading -
- Vehicle Trips - antipated trips for 5 employees
- Energy Use - Estimated energy use
- Fleet Mix - employee trips

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.53	141.74
tblFleetMix	HHD	8.0320e-003	0.00
tblFleetMix	LDA	0.55	1.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.9120e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3970e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.4000e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	UBUS	6.1700e-004	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	0.17
tblVehicleTrips	SU_TR	1.74	0.17
tblVehicleTrips	WD_TR	1.74	0.17

2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Year	tons/yr										MT/yr					
2022	0.0269	0.2576	0.2115	4.0000e-004	1.6400e-003	0.0124	0.0141	4.4000e-004	0.0116	0.0120	0.0000	35.3508	35.3508	9.5900e-003	4.0000e-005	35.6015
Maximum	0.0269	0.2576	0.2115	4.0000e-004	1.6400e-003	0.0124	0.0141	4.4000e-004	0.0116	0.0120	0.0000	35.3508	35.3508	9.5900e-003	4.0000e-005	35.6015

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	0.0269	0.2576	0.2115	4.0000e-004	1.6400e-003	0.0124	0.0141	4.4000e-004	0.0116	0.0120	0.0000	35.3508	35.3508	9.5900e-003	4.0000e-005	35.6015
Maximum	0.0269	0.2576	0.2115	4.0000e-004	1.6400e-003	0.0124	0.0141	4.4000e-004	0.0116	0.0120	0.0000	35.3508	35.3508	9.5900e-003	4.0000e-005	35.6015

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-15-2022	9-30-2022	0.2845	0.2845
		Highest	0.2845	0.2845

2.2 Overall Operational

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water

Total

	ROG	NOx	CO	SO2	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	Demolition	Demolition	7/15/2022	8/11/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.63

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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	156	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	5.1000e-004	4.3000e-004	5.5700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3606	1.3606	4.0000e-005	4.0000e-005	1.3726
Total	5.1000e-004	4.3000e-004	5.5700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3606	1.3606	4.0000e-005	4.0000e-005	1.3726

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	4.8200e-003	5.5400e-003	0.0893	2.7000e-004	0.0340	2.0000e-004	0.0342	9.0200e-003	1.8000e-004	9.2000e-003	0.0000	25.2226	25.2226	6.4000e-004	6.2000e-004	25.4232
Unmitigated	4.8200e-003	5.5400e-003	0.0893	2.7000e-004	0.0340	2.0000e-004	0.0342	9.0200e-003	1.8000e-004	9.2000e-003	0.0000	25.2226	25.2226	6.4000e-004	6.2000e-004	25.4232

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	19.85	19.85	19.85	91,203	91,203
Total	19.85	19.85	19.85	91,203	91,203

4.3 Trip Type Information

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	tons/yr										MT/yr					
Parking Lot	0																
Unrefrigerated Warehouse-No Rail	454196																
Total																	

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	tons/yr										MT/yr					
Parking Lot	0																
Unrefrigerated Warehouse-No Rail	454196																
Total																	

5.3 Energy by Land Use - Electricity

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	9800				
Unrefrigerated Warehouse-No Rail	1.69664e+007				
Total					

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	9800				
Unrefrigerated Warehouse-No Rail	1.69664e+007				
Total					

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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																
Consumer Products																
Landscaping																
Total																

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	70.9167	0.8851	0.0214	99.4246
Unmitigated	70.9167	0.8851	0.0214	99.4246

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Parking Lot 0 / 0				
Unrefrigerated Warehouse-No Rail 27.0008 / 0				
Total				

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Parking Lot 0 / 0				
Unrefrigerated Warehouse-No Rail 27.0008 / 0				
Total				

8.0 Waste Detail

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				
Unmitigated				

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0				
Unrefrigerated Warehouse-No Rail	109.75				
Total					

El Segundo (Ollie) Operations - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0				
Unrefrigerated Warehouse-No Rail	109.75				
Total					

9.0 Operational Offroad

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