



Goodman Industrial Park Fontana III

ENERGY ANALYSIS

CITY OF FONTANA

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TABLE OF CONTENTS

TABLE OF CONTENTS	I
APPENDICES	II
LIST OF EXHIBITS	II
LIST OF TABLES	II
LIST OF ABBREVIATED TERMS	III
EXECUTIVE SUMMARY	1
ES.1 Summary of Findings.....	1
1 INTRODUCTION	3
1.1 Site Location.....	3
1.2 Project Description.....	3
1.3 Analysis Scenarios & Approach.....	3
2 EXISTING CONDITIONS	8
2.1 Overview	8
2.2 Electricity.....	10
2.3 Natural Gas	11
2.4 Transportation Energy Resources.....	13
3 REGULATORY BACKGROUND	15
3.1 Federal Regulations.....	15
3.2 California Regulations	16
4 PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES	19
4.1 Evaluation Criteria.....	19
4.2 Methodology.....	19
4.3 Construction Energy Demands	19
4.4 Operational Energy Demands	26
4.5 Summary.....	31
5 CONCLUSION	34
6 REFERENCES	36
7 CERTIFICATION	39

APPENDICES

- APPENDIX 3.1: CALEEMOD ANNUAL CONSTRUCTION EMISSIONS MODEL OUTPUTS
- APPENDIX 3.2: CALEEMOD ANNUAL OPERATIONAL EMISSIONS MODEL OUTPUTS
- APPENDIX 3.3: EMFAC2017 MODEL OUTPUTS

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP4

EXHIBIT 1-B: INTERIM SITE PLAN.....5

EXHIBIT 1-C: EXPANSION SITE PLAN6

LIST OF TABLES

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS1

TABLE 2-1: TOTAL ELECTRICITY SYSTEM POWER (CALIFORNIA 2018)9

TABLE 2-2: SCE 2017 POWER CONTENT MIX11

TABLE 4-1: PROJECT CONSTRUCTION POWER COST20

TABLE 4-2: PROJECT CONSTRUCTION ELECTRICITY USAGE20

TABLE 4-3: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES (1 OF 2)21

TABLE 4-3: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES (2 OF 2)22

TABLE 4-4: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES (1 OF 2)23

TABLE 4-4: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES (2 OF 2)24

TABLE 4-5: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES (MHD TRUCKS).....25

TABLE 4-6: CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES (HHD TRUCKS).....25

TABLE 4-7: PROJECT-GENERATED LDA VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION27

TABLE 4-8: PROJECT-GENERATED LDT1 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION27

TABLE 4-9: PROJECT-GENERATED LDT2 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION28

TABLE 4-10: PROJECT-GENERATED MDV VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION28

TABLE 4-11: PROJECT-GENERATED LHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION28

TABLE 4-12: PROJECT-GENERATED MHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION29

TABLE 4-13: PROJECT-GENERATED HHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION29

TABLE 4-14: PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)29

TABLE 4-15: PROJECT ANNUAL OPERATIONAL ENERGY DEMAND SUMMARY30

LIST OF ABBREVIATED TERMS

(1)	Reference
AQIA	Air Quality Impact Analysis
ARB	Air Resources Board
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEC	California Energy Commission
CPUC	California Public Utilities Commission
EIR	Environmental Impact Report
EMFAC	Emissions Factor
EVs	Electric Vehicles
FERC	Federal Energy Regulatory Commission
GPA	General Plan Amendment
GWh	Gigawatt Hour
HHD	Heavy-Heavy Duty
I-10	Interstate 10
ISO	Independent Service Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
LA/ONT	Los Angeles/Ontario International Airport
LHD	Light-Heavy Duty
MHD	Medium-Heavy Duty
MPG	Miles Per Gallon
MPO	Metropolitan Planning Organization
Project	Goodman Industrial Park Fontana III
SCE	Southern California Edison
SF	Square Feet
SoCalGas	Southern California Gas
SP	Specific Plan
TEA-21	Transportation Equity Act for the 21 st Century
UPRR	Union Pacific Railroad
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Goodman Industrial Park Fontana III Energy Analysis* is summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the California Environmental Quality Act (CEQA) Guidelines (1). Table ES-1 shows the findings of significance for potential energy impacts under CEQA.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Energy Impact #1: Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.	5.0	<i>Less Than Significant</i>	<i>n/a</i>
Energy Impact #2: Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.	5.0	<i>Less Than Significant</i>	<i>n/a</i>

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1 INTRODUCTION

This report presents the results of the air energy analysis prepared by Urban Crossroads, Inc., for the proposed Goodman Industrial Park Fontana III (referred to as Project). The purpose of this report is to ensure that energy implication is considered by the City of Fontana, as the lead agency, and to quantify anticipated energy usage associated with construction and operation of the proposed Project, determine if the usage amounts are efficient, typical, or wasteful for the land use type, and to emphasize avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy.

1.1 SITE LOCATION

The proposed Goodman Industrial Park Fontana III Project is located north of Jurupa Avenue, between Cypress Avenue and Juniper Avenue, in the City of Fontana, as shown on Exhibit 1-A. The Project site is located roughly 4,500 feet south of Interstate 10 (I-10) and Union Pacific Railroad (UPRR) lines, and approximately 7.75 miles east of the Los Angeles/Ontario International Airport (LA/ONT).

Existing sensitive uses in the Project study area include residential homes located north, south, east, and west of the Project site, Citrus High School northwest of the Project site, and St. Mary's Catholic Church located southwest of the Project site. Future sensitive receptor locations in the Project study area include the proposed South Fontana Sports Park adjacent to the northern Projects site boundary.

1.2 PROJECT DESCRIPTION

Exhibits 1-B and 1-C illustrate the interim and expansion site plans for the Project. As indicated on Exhibit 1-C, the buildout of the proposed Project is to consist of 1,118,460 square feet across three buildings:

- 894,768 square feet of warehousing (80% of the total square footage);
- 223,692 square feet of high-cube cold storage warehouse use (20% of the total square footage)

1.3 ANALYSIS SCENARIOS & APPROACH

A brief summary of Project-specific analysis scenarios and assumptions are provided below to describe the approach used in this report.

1.3.1 PROJECT SITE PLAN SCENARIOS

For the purpose of this report, the following scenarios are used to analyze potential construction and operational impacts:

- Scenario 1 – Interim Conditions: This scenario refers to interim conditions (Exhibit 1-B) under which an existing residential receiver location, R11, located on Cactus Avenue will be bounded to the north, east, and south by the Project.

- **Scenario 2 – Expansion Conditions:** This scenario refers to Project buildout (expansion) conditions (Exhibit 1-C) under which the Project would expand into the area formerly represented by receiver location R11.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: INTERIM SITE PLAN

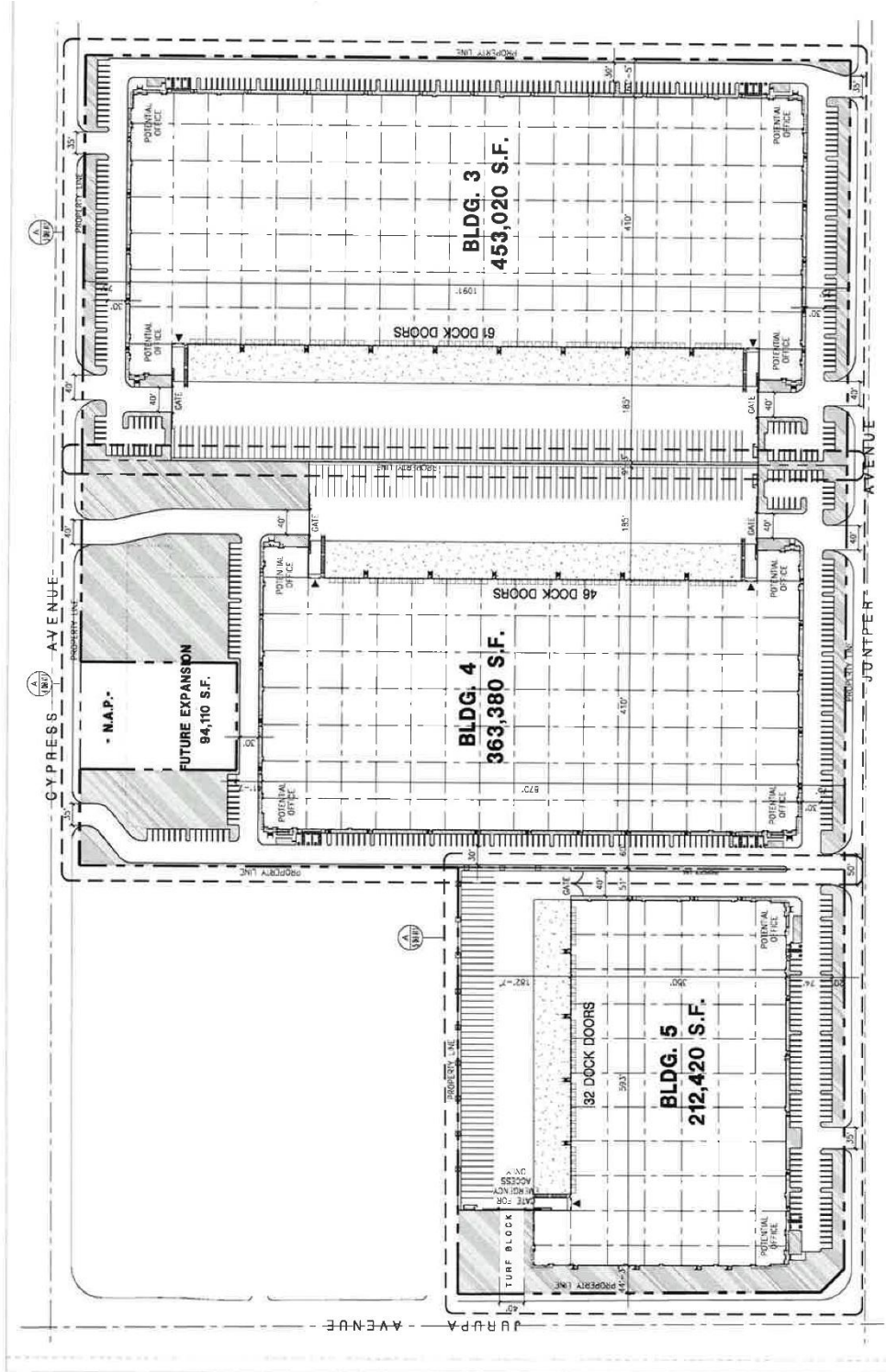
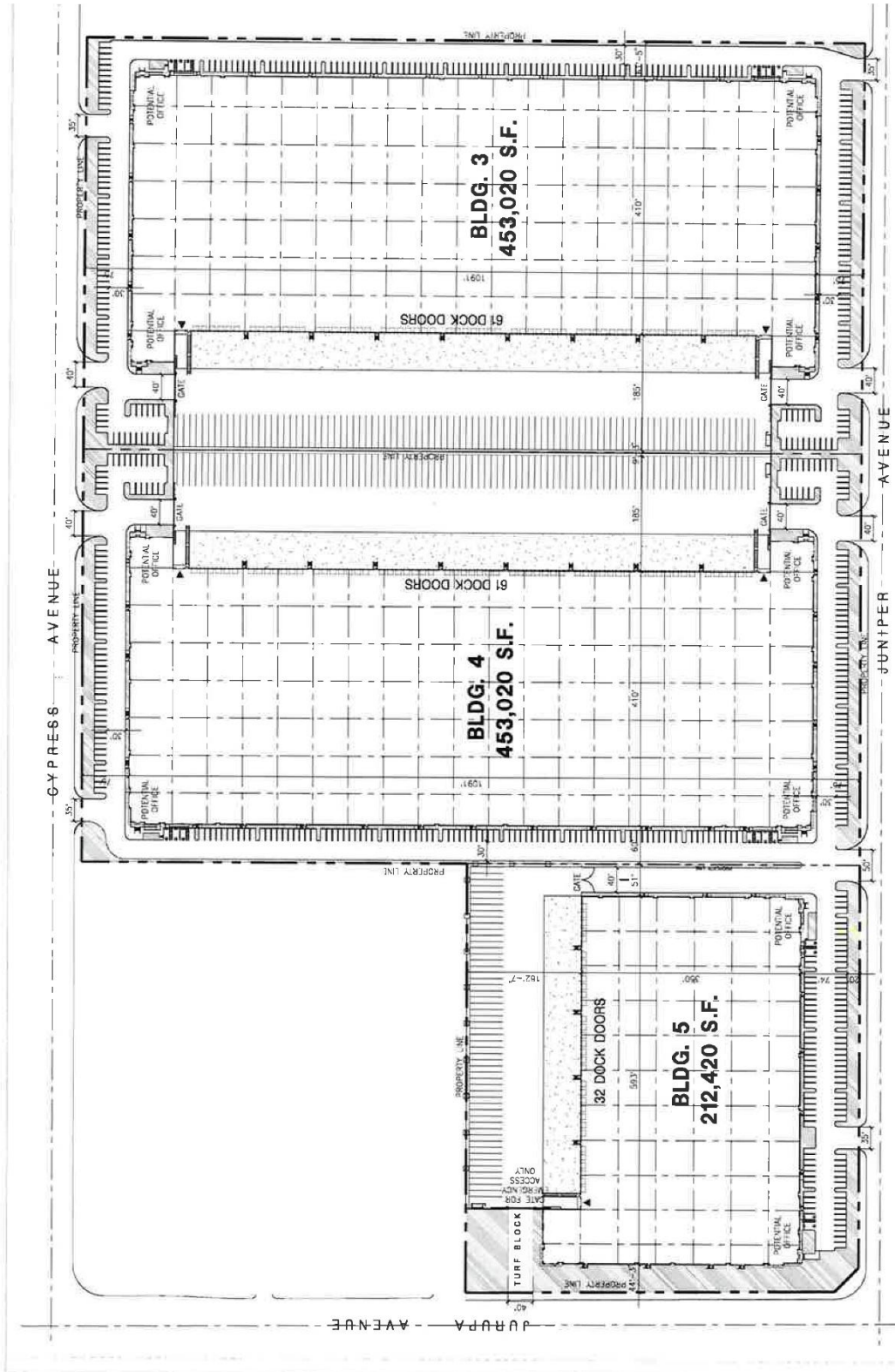


EXHIBIT 1-C: EXPANSION SITE PLAN



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2 EXISTING CONDITIONS

This section provides an overview of the existing energy conditions in the Project area and region.

2.1 OVERVIEW

The most recent data for California's estimated annual energy use is from 2019 and included:

- Approximately 7,881 trillion British Thermal Unit (BTU) of energy was consumed; (2);
- Approximately 2,115 billion cubic feet of natural gas (2); and
- Approximately 15.8 billion gallons of transportation fuel (for the year 2017) (3)

The most recent data provided by the United States Energy Information Administration (EIA) for energy use in California by demand sector is from 2017 and is reported as follows:

- Approximately 40.3 percent transportation;
- Approximately 23.1 percent industrial;
- Approximately 18.0 percent residential; and
- Approximately 18.7 percent commercial (4)

In 2018, total system electric generation for California was 285,488 gigawatt-hours (GWh). California's massive electricity in-state generation system generated approximately 194,842 GWh which accounted for approximately 68% of the electricity it uses; the rest was imported from the Pacific Northwest (14%) and the U.S. Southwest (18%) (5). Natural gas is the main source for electricity generation at 47% of the total in-state electric generation system power as shown in Table 2-1.

TABLE 2-1: TOTAL ELECTRICITY SYSTEM POWER (CALIFORNIA 2018)

Fuel Type	California In-State Generation (GWh)	Percent of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	California Power Mix (GWh)	Percent California Power Mix
Coal	294	0.15%	399	8,740	9,433	3.30%
Large Hydro	22,096	11.34%	7,418	985	30,499	10.68%
Natural Gas	90,691	46.54%	49	8,904	99,644	34.91%
Nuclear	18,268	9.38%	0	7,573	25,841	9.05%
Oil	35	0.02%	0	0	35	0.01%
Other	430	0.22%	0	9	439	0.15%
Renewables	63,028	32.35%	14,074	12,400	89,502	31.36%
Biomass	5,909	3.03%	772	26	6,707	2.35%
Geothermal	11,528	5.92%	171	1,269	12,968	4.54%
Small Hydro	4,248	2.18%	334	1	4,583	1.61%
Solar	27,265	13.99%	174	5,094	32,533	11.40%
Wind	14,078	7.23%	12,623	6,010	32,711	11.46%
Unspecified Sources of Power	N/A	N/A	17,576	12,519	30,095	10.54%
Total	194,842	100%	39,517	51,130	285,488	100%

Source: https://www.energy.ca.gov/almanac/electricity_data/total_system_power.html

A summary of, and context for energy consumption and energy demands within the State is presented in “U.S. Energy Information Administration, California State Profile and Energy Estimates, Quick Facts” excerpted below:

- California was the fourth-largest producer of crude oil among the 50 states in 2017, after Texas, North Dakota, and Alaska, and, as of January 2018, third in oil refining capacity after Texas and Louisiana.
- California is the largest consumer of jet fuel among the 50 states and accounted for one-fifth of the nation’s jet fuel consumption in 2016.
- California's total energy consumption is second-highest in the nation, but, in 2016, the state's per capita energy consumption ranked 48th, due in part to its mild climate and its energy efficiency programs.
- In 2017, California ranked second in the nation in conventional hydroelectric generation and first as a producer of electricity from solar, geothermal, and biomass resources.
- In 2017, solar PV and solar thermal installations provided about 16% of California’s net electricity generation (6).

As indicated above, California is one of the nation’s leading energy-producing states, and California per capita energy use is among the nation’s most efficient. Given the nature of the proposed Project being industrial uses, the remainder of this discussion will focus on the three

sources of energy that are most relevant to the project—namely, electricity, natural gas, and transportation fuel for vehicle trips associated with industrial uses planned for the Project.

2.2 ELECTRICITY

The Southern California region's electricity reliability has been of concern for the past several years due to the planned retirement of aging facilities that depend upon once-through cooling technologies, as well as the June 2013 retirement of the San Onofre Nuclear Generating Station (San Onofre). While the once-through cooling phase-out has been ongoing since the May 2010 adoption of the State Water Resources Control Board's once-through cooling policy, the retirement of San Onofre complicated the situation. California ISO studies had revealed the extent to which the Southern California Air Basin (SCAB) and the San Diego Air Basin (SDAB) region were vulnerable to low-voltage and post-transient voltage instability concerns. A preliminary plan to address these issues was detailed in the 2013 Integrative Energy Policy Report (2013 IEPR) after a collaborative process with other energy agencies, utilities, and air districts (7). If the resource development outlined in the preliminary plan continues as detailed, reliability in Southern California would likely be assured; however, tight resource margins have led energy agencies and the ARB to develop a contingency plan. This contingency plan was discussed at a public workshop in Los Angeles on August 20, 2014 and is detailed within this Section (8).

Electricity is provided to the Project by Southern California Edison (SCE). SCE provides electric power to more than 15 million persons in 15 counties and in 180 incorporated cities, within a service area encompassing approximately 50,000 square miles. SCE derives electricity from varied energy resources including: fossil fuels, hydroelectric generators, nuclear power plants, geothermal power plants, solar power generation, and wind farms. SCE also purchases from independent power producers and utilities, including out-of-state suppliers (9).

California's electricity industry is an organization of traditional utilities, private generating companies, and state agencies, each with a variety of roles and responsibilities to ensure that electrical power is provided to consumers. The California Independent Service Operator ("ISO") is a nonprofit public benefit corporation and is the impartial operator of the State's wholesale power grid and is charged with maintaining grid reliability, and to direct uninterrupted electrical energy supplies to California's homes and communities. While utilities [such as SCE] still own transmission assets, the ISO routes electrical power along these assets, maximizing the use of the transmission system and its power generation resources. The ISO matches buyers and sellers of electricity to ensure that sufficient power is available to meet demand. To these ends, every five minutes the ISO forecasts electrical demands, accounts for operating reserves, and assigns the lowest cost power plant unit to meet demands while ensuring adequate system transmission capacities and capabilities (10).

Part of the ISO's charge is to plan and coordinate grid enhancements to ensure that electrical power is provided to California consumers. To this end, transmission owners (investor-owned utilities such as SCE) file annual transmission expansion/modification plans to accommodate the State's growing electrical needs. The ISO reviews and either approves or denies the proposed additions. In addition, and perhaps most importantly, the ISO works with other areas in the western United States electrical grid to ensure that adequate power supplies are available to the

State. In this manner, continuing reliable and affordable electrical power is assured to existing and new consumers throughout the State.

Table 2-2 identifies SCE’s specific proportional shares of electricity sources in 2017. As indicated in Table 2-2, the 2017 SCE Power Mix has renewable energy at 32% of the overall energy resources. Geothermal resources are at 8%, wind power is at 10%, large hydroelectric sources are at 8%, solar energy is at 13%, and coal is at 0%. Biomass and waste sources have decreased to 0% from 1% in 2016. Natural gas is at 20% having decreased from 19% in 2016 (11).

TABLE 2-2: SCE 2017 POWER CONTENT MIX

Energy Resources	2017 SCE Power Mix
Eligible Renewable	32%
Biomass & waste	0%
Geothermal	8%
Small Hydroelectric	1%
Solar	13%
Wind	10%
Coal	0%
Large Hydroelectric	8%
Natural Gas	20%
Nuclear	6%
Other	0%
Unspecified Sources of power*	34%
Total	100%

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources

2.3 NATURAL GAS

The usage associated with natural gas use were calculated using the CalEEMod model. The following summary of natural gas resources and service providers, delivery systems, and associated regulation is excerpted from information provided by the California Public Utilities Commission (CPUC).

“The California Public Utilities Commission (PUC) regulates natural gas utility service for approximately 10.8 million customers that receive natural gas from Pacific Gas and Electric (PG&E), Southern California Gas (SoCalGas), San Diego Gas & Electric (SDG&E), Southwest Gas, and several smaller natural gas utilities. The CPUC also regulates independent storage operators: Lodi Gas Storage, Wild Goose Storage, Central Valley Storage and Gill Ranch Storage.

The vast majority of California’s natural gas customers are residential and small commercial customers, referred to as “core” customers, who accounted for approximately 32% of the natural gas delivered by California utilities in 2012. Large consumers, like

electric generators and industrial customers, referred to as “noncore” customers, accounted for approximately 68% of the natural gas delivered by California utilities in 2012.

The PUC regulates the California utilities’ natural gas rates and natural gas services, including in-state transportation over the utilities’ transmission and distribution pipeline systems, storage, procurement, metering and billing. Most of the natural gas used in California comes from out-of-state natural gas basins. In 2012, California customers received 35% of their natural gas supply from basins located in the Southwest, 16% from Canada, 40% from the Rocky Mountains, and 9% from basins located within California. California gas utilities may soon also begin receiving biogas into their pipeline systems.

Natural gas from out-of-state production basins is delivered into California via the interstate natural gas pipeline system. The major interstate pipelines that deliver out-of-state natural gas to California consumers are the Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, Ruby Pipeline, Questar Southern Trails and Mojave Pipeline. Another pipeline, the North Baja – Baja Norte Pipeline, takes gas off the El Paso Pipeline at the California/Arizona border, and delivers that gas through California into Mexico. While the Federal Energy Regulatory Commission (FERC) regulates the transportation of natural gas on the interstate pipelines, the PUC often participates in FERC regulatory proceedings to represent the interests of California natural gas consumers.

Most of the natural gas transported via the interstate pipelines, as well as some of the California-produced natural gas, is delivered into the PG&E and SoCalGas intrastate natural gas transmission pipeline systems (commonly referred to as California’s “backbone” natural gas pipeline system). Natural gas on the utilities’ backbone pipeline systems is then delivered into the local transmission and distribution pipeline systems, or to natural gas storage fields. Some large noncore customers take natural gas directly off the high-pressure backbone pipeline systems, while core customers and other noncore customers take natural gas off the utilities’ distribution pipeline systems. The PUC has regulatory jurisdiction over 150,000 miles of utility-owned natural gas pipelines, which transported 82% of the total amount of natural gas delivered to California’s gas consumers in 2012.

SDG&E and Southwest Gas’ southern division are wholesale customers of SoCalGas, and currently receive all of their natural gas from the SoCalGas system (Southwest Gas also provides natural gas distribution service in the Lake Tahoe area). Some other municipal wholesale customers are the cities of Palo Alto, Long Beach, and Vernon, which are not regulated by the CPUC.

Some of the natural gas delivered to California customers may be delivered directly to them without being transported over the regulated utility systems. For example, the Kern River/Mojave pipeline system can deliver natural gas directly to some large customers, “bypassing” the utilities’ systems. Much of California-produced natural gas is also delivered directly to large consumers.

PG&E and SoCalGas own and operate several natural gas storage fields that are located in northern and southern California. These storage fields, and four independently owned storage utilities – Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage – help meet peak seasonal natural gas demand and allow California natural gas customers to secure natural gas supplies more efficiently. (A portion of the Gill Ranch facility is owned by PG&E).

California’s regulated utilities do not own any natural gas production facilities. All of the natural gas sold by these utilities must be purchased from suppliers and/or marketers. The price of natural gas sold by suppliers and marketers was deregulated by the FERC in the mid-1980’s and is determined by “market forces.” However, the PUC decides whether California’s utilities have taken reasonable steps in order to minimize the cost of natural gas purchased on behalf of their core customers.” (12)

As indicated in the preceding discussions, natural gas is available from a variety of in-state and out-of-state sources and is provided throughout the state in response to market supply and demand. Complementing available natural gas resources, biogas may soon be available via existing delivery systems, thereby increasing the availability and reliability of resources in total. The PUC oversees utility purchases and transmission of natural gas to ensure reliable and affordable natural gas deliveries to existing and new consumers throughout the State.

2.4 TRANSPORTATION ENERGY RESOURCES

The Project would generate additional vehicle trips with resulting consumption of energy resources, predominantly gasoline and diesel fuel. In March 2018, the Department of Motor Vehicles (DMV) identified 35 million registered vehicles in California (13), and those vehicles (as noted previously) consume an estimated 19 billion gallons of fuel each year¹. Gasoline (and other vehicle fuels) are commercially-provided commodities and would be available to the Project patrons and employees via commercial outlets.

California’s on-road transportation system includes 170,000 miles of highways and major roadways, more than 27 million passenger vehicles and light trucks, and almost 8 million medium- and heavy-duty vehicles (13). While gasoline consumption has been declining since 2008 it is still by far the dominant fuel. Petroleum comprises about 92 percent of all transportation energy use, excluding fuel consumed for aviation and most marine vessels (14). Nearly 19 billion gallons of on-highway fuel are burned each year, including 15.1 billion gallons of gasoline (including ethanol) and 3.9 billion gallons of diesel fuel (including biodiesel and renewable diesel). In 2016, Californians also used 194 million therms of natural gas as a transportation fuel (15), or the equivalent of 155 million gallons of gasoline.

¹ Fuel consumptions estimated utilizing information from EMFAC2017.

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3 REGULATORY BACKGROUND

Federal and state agencies regulate energy use and consumption through various means and programs. On the federal level, the United States Department of Transportation, the United States Department of Energy, and the United States Environmental Protection Agency are three federal agencies with substantial influence over energy policies and programs. On the state level, the PUC and the California Energy Commissions (CEC) are two agencies with authority over different aspects of energy. Relevant federal and state energy-related laws and plans are summarized below. Project consistency with applicable federal and state regulations is also presented in *italicized* text.

3.1 FEDERAL REGULATIONS

Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)

The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) promoted the development of inter-modal transportation systems to maximize mobility as well as address national and local interests in air quality and energy. ISTEA contained factors that Metropolitan Planning Organizations (MPOs) were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, MPOs adopted explicit policies defining the social, economic, energy, and environmental values guiding transportation decisions. *Transportation and access to the Project site is provided primarily by the local and regional roadway systems. The Project would not interfere with, nor otherwise obstruct intermodal transportation plans or projects that may be realized pursuant to the ISTEA because SCAG is not planning for intermodal facilities on or through the Project site.*

The Transportation Equity Act for the 21st Century (TEA-21)

The Transportation Equity Act for the 21st Century (TEA-21) was signed into law in 1998 and builds upon the initiatives established in the ISTEA legislation, discussed above. TEA-21 authorizes highway, highway safety, transit, and other efficient surface transportation programs. TEA-21 continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of good transportation decisions. TEA-21 also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of Intelligent Transportation Systems, to help improve operations and management of transportation systems and vehicle safety. *The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access, acts to reduce vehicle miles traveled, takes advantage of existing infrastructure systems, and promotes land use compatibilities through collocation of similar uses. The Project supports the strong planning processes emphasized under TEA-21. The Project is therefore consistent with, and would not otherwise interfere with, nor obstruct implementation of TEA-21.*

3.2 CALIFORNIA REGULATIONS

Integrated Energy Policy Report

Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the California Energy Commission to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the state's electricity, natural gas, and transportation fuel sectors and provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the state's economy; and protect public health and safety (Public Resources Code § 25301a). The Energy Commission prepares these assessments and associated policy recommendations every two years, with updates in alternate years, as part of the Integrated Energy Policy Report.

The 2018 Integrated Energy Policy Report (2018 IEPR) was adopted February 20, 2019, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2018 IEPR focuses on a variety of topics such as including the environmental performance of the electricity generation system, landscape-scale planning, the response to the gas leak at the Aliso Canyon natural gas storage facility, transportation fuel supply reliability issues, updates on Southern California electricity reliability, methane leakage, climate adaptation activities for the energy sector, climate and sea level rise scenarios, and the California Energy Demand Forecast (16). *Electricity would be provided to the Project by Southern California Edison (SCE). SCE's Clean Power and Electrification Pathway (CPEP) white paper builds on existing state programs and policies. As such, the Project is consistent with, and would not otherwise interfere with, nor obstruct implementation the goals presented in the 2018 IEPR.*

State of California Energy Plan

The CEC is responsible for preparing the State Energy Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators and encouragement of urban designs that reduce vehicle miles traveled and accommodate pedestrian and bicycle access. *The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access, acts to reduce vehicle miles traveled, takes advantage of existing infrastructure. The Project supports urban design and planning processes identified under the State of California Energy Plan, is consistent with, and would not otherwise interfere with, nor obstruct implementation of the State of California Energy Plan.*

California Code Title 24, Part 6, Energy Efficiency Standards

California Code of Regulations Title 24 Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings, was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. *The 2019 version of Title 24 was adopted by the California Energy Commission (CEC) and will become effective on January 1, 2020 and is therefore applicable to the Project.*

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4 PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

4.1 EVALUATION CRITERIA

In compliance with Appendix G of the *State CEQA Guidelines* (1), this report analyzes the project's anticipated energy use to determine if the Project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency

In addition, Appendix F of the *State CEQA Guidelines* (17), states that the means of achieving the goal of energy conservation includes the following:

- Decreasing overall per capita energy consumption;
- Decreasing reliance on fossil fuels such as coal, natural gas and oil; and
- Increasing reliance on renewable energy sources.

4.2 METHODOLOGY

Information from the CalEEMod 2016.3.2 outputs for the *Goodman Industrial Park Fontana III Air Quality Impact Analysis* (AQIA) (Urban Crossroads, Inc., 2019) (18) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands. These outputs can be referenced in Appendices 3.1 through 3.2.

4.3 CONSTRUCTION ENERGY DEMANDS

4.3.1 CONSTRUCTION EQUIPMENT ELECTRICITY USAGE ESTIMATES

The focus within this section is the energy implications of the construction process, specifically the power cost from on-site electricity consumption during construction of the proposed Project. Based on the 2017 National Construction Estimator, Richard Pray (2017) (19), the typical power cost per 1,000 square feet of building construction per month is estimated to be \$2.32. For the Goodman Industrial Park Fontana III development, the Project plans to develop consist of 1,118,460 square feet across three buildings (894,768 square feet of warehousing (80% of the total square footage); 223,692 square feet of high-cube cold storage warehouse use (20% of the total square footage)). It is anticipated that the Project would be developed in two phases. As per information provided in the AQIA, Phase 1 and 2 would be conducted in two 10-month periods. Based on Table 4-1, the total power cost of the on-site electricity usage during the construction of the proposed Project is estimated to be approximately \$25,948.27. Additionally, as of July 26, 2019, SCE's general service rate schedule (GS-1) for an industrial land uses is \$0.08 per kWh of electricity (20). As shown on Table 4-2, the total electricity usage from on-site Project construction related activities is estimated to be approximately 324,353 kWh.

TABLE 4-1: PROJECT CONSTRUCTION POWER COST

Land Use	Power Cost (per 1,000 SF of building per month of construction)	Total Building Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
Phase 1				
Warehouse	\$2.32	653.120	10	\$15,152.38
High-Cube Cold Storage Warehouse	\$2.32	163.280	10	\$3,788.10
Phase 2				
Warehouse	\$2.32	241.648	10	\$5,606.23
High-Cube Cold Storage Warehouse	\$2.32	60.412	10	\$1,401.56
TOTAL PROJECT CONSTRUCTION POWER COST				\$25,948.27

TABLE 4-2: PROJECT CONSTRUCTION ELECTRICITY USAGE

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
Phase 1		
Warehouse	\$0.08	189,405
High-Cube Cold Storage Warehouse	\$0.08	47,351
Phase 2		
Warehouse	\$0.08	70,078
High-Cube Cold Storage Warehouse	\$0.08	17,519
TOTAL PROJECT CONSTRUCTION ELECTRICITY USAGE (kWh)		324,353

¹Assumes the Project will be under the GS-1 General Industrial service rate under SCE

4.3.2 CONSTRUCTION EQUIPMENT FUEL ESTIMATES

Fuel consumed by construction equipment would be the primary energy resource expended over the course of Project construction. Project construction activity timeline estimates, construction equipment schedules, equipment power ratings, load factors, and associated fuel consumption estimates are presented in Table 4-3. Eight-hour daily use of all equipment is assumed. The aggregate fuel consumption rate for all equipment is estimated at 18.5 hp-hr-gal., obtained from California Air Resources Board (CARB) 2018 Emissions Factors Tables and cited fuel consumption rate factors presented in Table D-24 of the Moyer guidelines (21). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is standard practice consistent with industry standards. Diesel fuel would be supplied by existing commercial fuel providers serving the City and region. As presented in Table 4-3, Project

TABLE 4-3: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES (1 OF 2)

Activity/Duration	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption (gal. diesel fuel)
Phase 1							
Demolition (20 days)	Concrete/Industrial Saws	81	1	8	0.73	473	511
	Excavators	158	3	8	0.38	1,441	1,558
	Rubber Tired Dozers	247	2	8	0.40	1,581	1,709
Off-site Improvements (239 days)	Paving Equipment	132	1	8	0.36	380	4,911
	Tractors/Loaders/Backhoes	97	2	8	0.37	574	7,419
Grading (32 days)	Excavators	158	2	8	0.38	961	1,662
	Graders	187	1	8	0.41	613	1,061
	Rubber Tired Dozers	247	1	8	0.40	790	1,367
	Scrapers	367	2	8	0.48	2,819	4,875
	Tractors/Loaders/Backhoes	97	2	8	0.37	574	993
Building Construction (184 days)	Cranes	231	1	8	0.29	536	5,330
	Forklifts	89	3	8	0.20	427	4,249
	Generator Sets	84	1	8	0.74	497	4,946
	Tractors/Loaders/Backhoes	97	3	8	0.37	861	8,567
	Welders	46	1	8	0.45	166	1,647
Paving (55 days)	Pavers	130	2	8	0.42	874	2,597
	Paving Equipment	132	2	8	0.36	760	2,260
	Rollers	80	2	8	0.38	486	1,446
Architectural Coating (55 days)	Air Compressors	78	1	8	0.48	300	890

TABLE 4-3: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES (2 OF 2)

Activity/Duration	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption (gal. diesel fuel)
Phase 2							
Demolition (20 days)	Concrete/Industrial Saws	81	1	8	0.73	473	511
	Excavators	158	3	8	0.38	1,441	1,558
	Rubber Tired Dozers	247	2	8	0.40	1,581	1,709
Off-site Improvements (239 days)	Paving Equipment	132	1	8	0.36	380	4,911
	Tractors/Loaders/Backhoes	97	2	8	0.37	574	7,419
Grading (13 days)	Excavators	158	2	8	0.38	961	675
	Graders	187	1	8	0.41	613	431
	Rubber Tired Dozers	247	1	8	0.40	790	555
	Scrapers	367	2	8	0.48	2,819	1,981
	Tractors/Loaders/Backhoes	97	2	8	0.37	574	404
Building Construction (184 days)	Cranes	231	1	8	0.29	536	5,330
	Forklifts	89	3	8	0.20	427	4,249
	Generator Sets	84	1	8	0.74	497	4,946
	Tractors/Loaders/Backhoes	97	3	8	0.37	861	8,567
	Welders	46	1	8	0.45	166	1,647
Paving (20 days)	Pavers	130	2	8	0.42	874	944
	Paving Equipment	132	2	8	0.36	760	822
	Rollers	80	2	8	0.38	486	526
Architectural Coating (20 days)	Air Compressors	78	1	8	0.48	300	324
CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)							105,508.42

construction activities would consume an estimated 105,508.42 gallons of diesel fuel. Project construction would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

4.3.3 CONSTRUCTION WORKER FUEL ESTIMATES

It is assumed that all construction worker trips are from light duty autos (LDA) along area roadways. With respect to estimated VMT, the construction worker trips would generate an estimated 2,597,902 VMT (18). Data regarding Project related construction worker trips were based on CalEEMod 2016.3.2 model defaults utilized within the AQIA.

Vehicle fuel efficiencies for LDA were estimated using information generated within the 2017 version of the Emissions FACtor model (EMFAC) developed by the CARB. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (22). EMFAC2017 was run for the LDA vehicle class within the California sub-area for a 2020calendar year. Data from EMFAC2017 is shown in Appendix 3.3.

As generated by EMFAC2017, an aggregated fuel economy of LDAs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 32.15 miles per gallon (mpg). Table 4-4 provides an estimated annual fuel consumption resulting from the Project generated by LDAs related to construction worker trips. Based on Table 4-4, it is estimated that 80,799 gallons of fuel will be consumed related to construction worker trips during full construction of the proposed Project. Project construction worker trips would represent a “single-event” gasoline fuel demand and would not require on-going or permanent commitment of fuel resources for this purpose.

TABLE 4-4: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES (1 OF 2)

Construction Activity	Worker Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Phase 1					
Demolition (20 days)	15	14.7	4,410	32.15	137
Off-Site Improvements (239 days)	8	14.7	28,106	32.15	874
Grading (32 days)	20	14.7	9,408	32.15	293
Building Construction (184 days)	664	14.7	1,795,987	32.15	55,858
Paving (55 days)	15	14.7	12,128	32.15	377
Architectural Coating (55 days)	133	14.7	107,531	32.15	3,344

TABLE 4-4: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES (2 OF 2)

Construction Activity	Worker Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Phase 2					
Demolition (20 days)	15	14.7	4,410	32.15	137
Off-Site Improvements (239 days)	8	14.7	28,106	32.15	874
Grading (13 days)	20	14.7	3,822	32.15	119
Building Construction (184 days)	217	14.7	586,942	32.15	18,255
Paving (20 days)	15	14.7	4,410	32.15	137
Architectural Coating (20 days)	43	14.7	12,642	32.15	393
TOTAL CONSTRUCTION WORKER FUEL CONSUMPTION					80,799

4.3.4 CONSTRUCTION VENDOR/HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor/hauling trips would generate an estimated 455,542 VMT along area roadways (18). It is assumed that 50% of all vendor trips are from medium-heavy duty trucks (MHD) and 50% are from heavy-heavy duty trucks (HHD). It is assumed that 100% of all hauling trips are from HHD. These assumptions are consistent with the 2016.3.2 CalEEMod defaults utilized within the within the AQIA (18). Vehicle fuel efficiencies for MHD and HHD trucks were estimated using information generated within EMFAC2017. For purposes of this analysis, EMFAC2017 was run for the MHD and HHD vehicle class within the California sub-area for a 2022 calendar year. Data from EMFAC2017 is shown in Appendix 3.3.

As generated by EMFAC2017, an aggregated fuel economy of MHD trucks ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 9.73 mpg. Additionally, HHD trucks are estimated to have a fuel efficiency of 6.76 mpg. Based on Table 4-5, it is estimated that 22,444 gallons of fuel will be consumed related to construction vendor trips (medium duty trucks) during full construction of the proposed Project. Table 4-6 shows the estimated fuel economy of HHD trucks accessing the Project site. Based on Table 4-6, fuel consumption from construction vendor and hauling trips (heavy duty trucks) will total approximately 35,078 gallons. The total fuel consumption from construction vendor and hauling trips (medium and heavy-duty trucks) is 57,523 gallons. Project construction vendor trips would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

TABLE 4-5: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES (MHD TRUCKS)

Construction Activity	Vendor Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor					
Phase 1					
Building Construction (184 days)	129.5	6.9	164,413	9.73	16,898
Phase 2					
Building Construction (184 days)	42.5	6.9	53,958	9.73	5,546
PROJECT MEDIUM DUTY TRUCK TOTAL					22,444

TABLE 4-6: CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES (HHD TRUCKS)

Construction Activity	Vendor Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor					
Phase 1					
Building Construction (184 days)	129.5	6.9	164,413	6.76	24,317
Phase 2					
Building Construction (184 days)	42.5	6.9	53,958	6.76	7,981
Hauling					
Phase 1					
Demolition (20 days)	16	20	6,400	6.76	947
Phase 2					
Demolition (20 days)	31	20	12,400	6.76	1,834
PROJECT HEAVY DUTY TRUCK TOTAL					35,078

4.3.5 CONSTRUCTION ENERGY EFFICIENCY/CONSERVATION MEASURES

The equipment used for Project construction would conform to CARB regulations and CA emissions standards. There are no unusual Project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the Project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

The Project would utilize construction contractors which practice compliance with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air Contaminants. Compliance with anti-idling and emissions regulations would result in a more efficient use of construction-related energy and the minimization or elimination of wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Additionally, certain incidental construction-source energy efficiencies would likely accrue through implementation of California regulations and best available control measures (BACM). More specifically, California Code of Regulations Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than five minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. To this end, “grading plans shall reference the requirement that a sign shall be posted on-site stating that construction workers need to shut off engines at or before five minutes of idling.” In this manner, construction equipment operators are informed that engines are to be turned off at or prior to five minutes of idling. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Indirectly, construction energy efficiencies and energy conservation would be achieved for the proposed development through energy efficiencies realized from bulk purchase, transport and use of construction materials.

A full analysis related to the energy needed to form construction materials is not included in this analysis due to a lack of detailed Project-specific information on construction materials. At this time, an analysis of the energy needed to create Project-related construction materials would be extremely speculative and thus has not been prepared.

In general, the construction processes promote conservation and efficient use of energy by reducing raw materials demands, with related reduction in energy demands associated with raw materials extraction, transportation, processing and refinement. Use of materials in bulk reduces energy demands associated with preparation and transport of construction materials as well as the transport and disposal of construction waste and solid waste in general, with corollary reduced demands on area landfill capacities and energy consumed by waste transport and landfill operations.

4.4 OPERATIONAL ENERGY DEMANDS

Energy consumption in support of or related to Project operations would include transportation energy demands (energy consumed by employee and patron vehicles accessing the Project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

4.4.1 TRANSPORTATION ENERGY DEMANDS

Energy that would be consumed by Project-generated traffic is a function of total VMT and estimated vehicle fuel economies of vehicles accessing the Project site.

LIGHT-DUTY AUTOS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 4,382,994 annual VMT along area roadways for all LDAs with full build-out of the Project (18). As generated by EMFAC2017, an aggregated fuel economy of LDAs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 32.15 mpg. Table 4-7 provides an estimated range of annual fuel consumption resulting from Project generated LDAs. Based on Table 4-7, it is estimated that 136,318 gallons of fuel will be consumed from Project generated LDA trips.

TABLE 4-7: PROJECT-GENERATED LDA VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
4,382,994	32.15	136,318

LIGHT-DUTY TRUCKS (LDT1)

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 288,506 annual VMT along area roadways for all LDT1² vehicles with full build-out of the Project (18). As generated by EMFAC2017, an aggregated fuel economy of LDT1s ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 27.00 mpg. Table 4-8 provides an estimated range of annual fuel consumption resulting from Project generated LDT1s. Based on Table 4-8, it is estimated that 10,684 gallons of fuel will be consumed from Project generated LDT1 trips.

TABLE 4-8: PROJECT-GENERATED LDT1 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
288,506	27.00	10,684

LIGHT-DUTY TRUCKS (LDT2)

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 1,428,625 annual VMT along area roadways for all LDT2³ vehicles with full build-out of the Project (18). As generated by EMFAC2017, an aggregated fuel economy of LDT2s ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 25.28 mpg. Table 4-9 provides an estimated range

² Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

³ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

of annual fuel consumption resulting from Project generated LDT2s. Based on Table 4-9, it is estimated that 56,504 gallons of fuel will be consumed from Project generated LDT2 trips.

TABLE 4-9: PROJECT-GENERATED LDT2 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
1,428,625	25.28	56,504

MEDIUM-DUTY TRUCKS (MDV)

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 921,868 annual VMT along area roadways for all MDV vehicles with full build-out of the Project (18). As generated by EMFAC2017, an aggregated fuel economy of MDVs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 20.38 mpg. Table 4-10 provides an estimated range of annual fuel consumption resulting from Project generated MDVs. Based on Table 4-10, it is estimated that 45,230 gallons of fuel will be consumed from Project generated MDV trips.

TABLE 4-10: PROJECT-GENERATED MDV VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
921,868	20.38	45,230

LIGHT-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 1,731,007 annual VMT along area roadways for all LHD trucks with full build-out of the Project (18). As generated by EMFAC2017, an aggregated fuel economy of LHD trucks ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 13.88 mpg. Table 4-11 provides an estimated range of annual fuel consumption resulting from Project generated LHD trucks. Based on Table 4-11, it is estimated that 124,724 gallons of fuel will be consumed from Project generated LHD truck trips.

TABLE 4-11: PROJECT-GENERATED LHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
1,731,007	13.88	124,724

MEDIUM-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 1,561,313 annual VMT along area roadways for all MHD trucks with full build-out of the Project (18). As generated by

EMFAC2017, an aggregated fuel economy of MHD trucks ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 9.73 mpg. Table 4-12 provides an estimated range of annual fuel consumption resulting from Project generated MHD trucks. Based on Table 4-12, it is estimated that 160,473 gallons of fuel will be consumed from Project generated MHD truck trips.

TABLE 4-12: PROJECT-GENERATED MHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
1,561,313	9.73	160,473

HEAVY-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 5,100,853 annual VMT along area roadways for all HHD trucks with full build-out of the Project (18). As generated by EMFAC2017, an aggregated fuel economy of HHD trucks ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 6.76 mpg. Table 4-13 provides an estimated range of annual fuel consumption resulting from Project generated HHD trucks. Based on Table 4-13, it is estimated that 754,434 gallons of fuel will be consumed from Project generated HHD truck trips.

TABLE 4-13: PROJECT-GENERATED HHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
5,100,853	6.76	754,434

As summarized on Table 4-14, the Project will result in 15,415,166 annual VMT and an estimated annual fuel consumption of 1,288,367 gallons of fuel.

TABLE 4-14: PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual Miles Traveled	Estimated Annual Fuel Consumption (gallons)
LDA	4,382,994	136,318
LDT1	288,506	10,684
LDT2	1,428,625	56,504
MDV	921,868	45,230
LHD Trucks	1,731,007	124,724
MHD Trucks	1,561,313	160,473
HHD Trucks	5,100,853	754,434
Total (All Vehicles)	15,415,166	1,288,367

4.4.2 FACILITY ENERGY DEMANDS

Project building operations and Project site maintenance activities would result in the consumption of natural gas and electricity. Natural gas would be supplied to the Project by Southern California Gas Company (SoCalGas); electricity would be supplied to the Project by Southern California Edison. Annual natural gas and electricity demands of the Project are summarized in Table 4-15.

Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. In California, the California Building Standards Code Title 24 governs energy consumed by the built environment, mechanical systems, and some types of fixed lighting (23). Non-building energy use, or “plug-in” energy use can be further subdivided by specific end-use (refrigeration, cooking, appliances, etc.).

TABLE 4-15: PROJECT ANNUAL OPERATIONAL ENERGY DEMAND SUMMARY

Natural Gas Demand	kBTU/year
Landscape	0
Parking Lot	0
High-Cube Cold Storage Warehouse	11,578,300
Warehousing	1,816,380
TOTAL PROJECT NATURAL GAS DEMAND	13,394,680
Electricity Demand	kWh/year
Landscape	0
Parking Lot	269,172
High-Cube Cold Storage Warehouse	8,864,910
Warehousing	2,013,230
TOTAL PROJECT ELECTRICITY DEMAND	11,147,312

4.4.3 OPERATIONAL ENERGY EFFICIENCY/CONSERVATION MEASURES

Energy efficiency/energy conservation attributes of the Project would be complemented by increasingly stringent state and federal regulatory actions addressing vehicle fuel economies and vehicle emissions standards; and enhanced building/utilities energy efficiencies mandated under California building codes (e.g., Title24, California Green Building Standards Code).

It should also be noted that the Project would not result in a substantial increase in demand or transmission service, resulting in the need for new or expanded sources of energy supply or new or expanded energy delivery systems or infrastructure because it would be served by the existing electric utility lines in the Project vicinity.

Enhanced Vehicle Fuel Efficiencies

Project annual fuel consumption estimates presented previously in Tables 4-14 and represent likely potential maximums that would occur for the Project. Under subsequent future conditions,

average fuel economies of vehicles accessing the Project site can be expected to improve as older, less fuel-efficient vehicles are removed from circulation, and in response to fuel economy and emissions standards imposed on newer vehicles entering the circulation system.

Project site can be expected to improve as older, less fuel-efficient vehicles are removed from circulation, and in response to fuel economy and emissions standards imposed on newer vehicles entering the circulation system.

4.5 SUMMARY

4.5.1 CONSTRUCTION ENERGY DEMANDS

The estimated power cost of on-site electricity usage during the construction of the proposed Project is assumed to be around \$25,948.27. Additionally, based on the assumed power cost, it is estimated that the total electricity usage during construction, after full Project build-out, is calculated to be around 324,353 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 105,508.42 gallons of diesel fuel. Construction equipment use of fuel would not be atypical for the type of construction proposed because there are no aspects of the Project's proposed construction process that are unusual or energy-intensive, and Project construction equipment would conform to the applicable CARB emissions standards, acting to promote equipment fuel efficiencies.

CCR Title 13, Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than 5 minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Best available control measures inform construction equipment operators of this requirement. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Construction worker trips for full construction of the proposed Project would result in the estimated fuel consumption of 80,799 gallons of fuel. Additionally, fuel consumption from construction vendor trips (medium and heavy-duty trucks) will total approximately 57,523 gallons. Diesel fuel would be supplied by City and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved through the use of bulk purchases, transport and use of construction materials. The 2018 IEPR released by the California Energy Commission has shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements (16). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

4.5.2 OPERATIONAL ENERGY DEMANDS

TRANSPORTATION ENERGY DEMANDS

Annual vehicular trips and related VMT generated by the operational of the Project would result in an estimated 136,318 gallons of fuel consumption per year for LDAs, 10,684 gallons of fuel of

LDT1s, 56,504 gallons of fuel for LDT2s, and 45,230 gallons of fuel for MDVs. Additionally, the operational of the Project would result in an estimated 124,724 gallons of fuel consumption per year for LHD trucks, an estimated 160,473 gallons of fuel consumption per year for MHD, and 745,434 gallons of fuel consumption per year for HHD trucks for the year 2022. The total estimated annual fuel consumption from Project generated VMT would result in a fuel demand 1,288,367 gallons of fuel.

Fuel would be provided by current and future commercial vendors. Trip generation and VMT generated by the Project are consistent with other industrial uses of similar scale and configuration, as reflected respectively in the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Ed., 2017); and CalEEMod. That is, the Project does not propose uses or operations that would inherently result in excessive and wasteful vehicle trips and VMT, nor associated excess and wasteful vehicle energy consumption.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of LDAs, LDT1s, LDT2s, MDVs, and LHDs to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. The Project would implement sidewalks, facilitating and encouraging pedestrian access. Facilitating pedestrian and bicycle access would reduce VMT and associated energy consumption. In compliance with the California Green Building Standards Code, the Project would promote the use of bicycles as an alternative mean of transportation by providing short-term and/or long-term bicycle parking accommodations. As supported by the preceding discussions, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

FACILITY ENERGY DEMANDS

Project facility operational energy demands are estimated at: 13,394,680 kBTU/year of natural gas; and 11,147,312 kWh/year of electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied by SCE. The Project proposes conventional warehouse uses reflecting contemporary energy efficient/energy conserving designs and operational programs. Uses proposed by the Project are not inherently energy intensive, and the Project energy demands in total would be comparable to, or less than, other warehouse projects of similar scale and configuration.

Additionally, the Project is will implement the project design features (as summarized in the Executive Summary). Implementation of these project design features combined with the required Title 24 standards will ensure that the Project energy demands would not be considered inefficient, wasteful, or otherwise unnecessary.

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5 CONCLUSION

Impact Energy-1: Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.

As supported by the preceding analyses, Project operations would not result in the inefficient, wasteful or unnecessary consumption of energy. Further, the energy demands of the Project can be accommodated within the context of available resources and energy delivery systems. The Project would therefore not cause or result in the need for additional energy producing or transmission facilities. The Project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservations goals within the State of California.

Impact Energy-2: Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The proposed Project is subject to California Building Code requirements. New buildings must achieve the 2019 Building and Energy Efficiency Standards and the 2019 California Green Building Standards requirements.

The Project would provide for, and promote, energy efficiencies beyond those required under other applicable federal and State of California standards and regulations, and in so doing would meet or exceed all California Building Standards Code Title 24 standards. Moreover, energy consumed by the Project's operation is calculated to be comparable to, or less than, energy consumed by other residential, commercial, and recreational uses of similar scale and intensity that are constructed and operating in California. On this basis, the Project would not result in the inefficient, wasteful, or unnecessary consumption of energy. Further, the Project would not cause or result in the need for additional energy producing facilities or energy delivery systems.

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6 REFERENCES

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7 CERTIFICATION

The contents of this energy report represent an accurate depiction of the environmental impacts associated with the proposed Goodman Industrial Park Fontana III Project. The information contained in this energy report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

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APPENDIX 3.1:

CALEEMOD ANNUAL CONSTRUCTION EMISSIONS MODEL OUTPUTS

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Goodman Industrial Park - Phase 1 (Construction - Mitigated)
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	163.28	1000sqft	3.75	163,280.00	0
Unrefrigerated Warehouse-No Rail	653.12	1000sqft	14.99	653,120.00	0
Other Non-Asphalt Surfaces	156.86	1000sqft	3.60	156,857.00	0
Parking Lot	577.00	Space	13.97	608,708.88	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Project Characteristics -

Land Use - Phase 1 consist of the construction of Buildings 3 (453,020 sf) and 4 (363,380 sf). Consistent with the Traffic Study, 80% of Buildings are designated for warehous use and the remanining 20% for high-cube cold storage warehouse use. Parking Spaces consist of both Auto Parking and Trailer Parking.

Construction Phase - Construction Schedule consistent with Goodman Logistics Center Fontana III AQ, GHG, & HRA Scoping Agreement.

Off-road Equipment - Equipment based on consultation with the Project applicant.

Off-road Equipment - Hours are based on an 8 hour workday.

Off-road Equipment -

Off-road Equipment - Hours are based on an 8 hour workday.

Grading - Based on the Equipment List the total acres graded per day is 3.0 acres for grading activities.

Architectural Coating - The Project shall utilize "Super-Compliant" low VOC paints which have been reformulated to exceed the regulatory VOC limits put forth by SCAQMD's Rule 1113 (BACM AQ-2). Super-Compliant low VOC paints shall be no more than 10g/L of VOC.

Vehicle Trips - Construction Run Only.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	10.00
tblConstructionPhase	NumDays	50.00	20.00
tblConstructionPhase	NumDays	75.00	32.00
tblConstructionPhase	NumDays	740.00	184.00
tblEnergyUse	LightingElect	0.35	0.00

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	80.00	96.00
tblLandUse	LandUseSquareFeet	230,800.00	608,708.88
tblLandUse	LotAcreage	5.19	13.97
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	153.48	0.00
tblSolidWaste	SolidWasteGenerationRate	613.93	0.00
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tblVehicleEF	HHD	0.04	2.3880e-003
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	93.15
tblVehicleEF	HHD	0.58	0.26
tblVehicleEF	HHD	1.92	2.2600e-003
tblVehicleEF	HHD	6,983.95	16,719.13
tblVehicleEF	HHD	1,493.95	1,347.67
tblVehicleEF	HHD	5.71	0.02

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	28.07	86.33
tblVehicleEF	HHD	2.87	2.76
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
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tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	3.4000e-005
tblVehicleEF	HHD	3.4490e-003	1.0400e-004
tblVehicleEF	HHD	0.89	6.69
tblVehicleEF	HHD	5.7000e-005	2.0000e-005
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.4200e-004	5.2200e-004
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tblVehicleEF	HHD	0.07	0.16
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	3.4000e-005
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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	2.4200e-004	5.2200e-004
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tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	0.01	0.04
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tblVehicleEF	HHD	1.2900e-004	4.9000e-005

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.09	0.05
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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	0.03	0.03
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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	1.32	2.16
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tblVehicleEF	LDA	2.1170e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.10
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tblVehicleEF	LDA	6.1500e-004	5.3300e-004
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tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.04	0.21
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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	59.28	53.16
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tblVehicleEF	LDA	0.13	0.12
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.21
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tblVehicleEF	LDA	6.4200e-003	0.05
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tblVehicleEF	LDA	0.05	0.04
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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	2.3020e-003	1.8580e-003
tblVehicleEF	LDA	1.5790e-003	1.3550e-003
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tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.01	9.2350e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.09	0.23
tblVehicleEF	LDA	2.5640e-003	2.5720e-003
tblVehicleEF	LDA	6.1500e-004	5.3200e-004
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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.03	0.20
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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	3.5800e-003	2.6220e-003
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tblVehicleEF	LDT1	3.8930e-003	2.8520e-003
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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	0.04	0.03
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tblVehicleEF	LDT1	0.25	1.03
tblVehicleEF	LDT1	0.31	0.47
tblVehicleEF	LDT2	6.9330e-003	4.3120e-003
tblVehicleEF	LDT2	9.2890e-003	0.07
tblVehicleEF	LDT2	0.85	0.98
tblVehicleEF	LDT2	1.85	2.78
tblVehicleEF	LDT2	363.70	334.03
tblVehicleEF	LDT2	81.97	70.30
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5300e-003
tblVehicleEF	LDT2	2.4180e-003	1.9480e-003
tblVehicleEF	LDT2	1.5980e-003	1.4080e-003
tblVehicleEF	LDT2	2.2230e-003	1.7910e-003
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	0.13	0.35
tblVehicleEF	LDT2	3.6440e-003	3.3050e-003
tblVehicleEF	LDT2	8.5100e-004	6.9600e-004
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.14	0.38
tblVehicleEF	LDT2	7.8730e-003	4.9250e-003
tblVehicleEF	LDT2	7.7350e-003	0.06
tblVehicleEF	LDT2	1.04	1.19
tblVehicleEF	LDT2	1.53	2.30
tblVehicleEF	LDT2	397.09	358.66
tblVehicleEF	LDT2	81.97	69.35
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	1.7370e-003	1.5300e-003
tblVehicleEF	LDT2	2.4180e-003	1.9480e-003
tblVehicleEF	LDT2	1.5980e-003	1.4080e-003
tblVehicleEF	LDT2	2.2230e-003	1.7910e-003
tblVehicleEF	LDT2	0.14	0.95
tblVehicleEF	LDT2	0.16	0.18
tblVehicleEF	LDT2	0.12	0.80
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.29
tblVehicleEF	LDT2	3.9810e-003	3.5480e-003

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	8.4600e-004	6.8600e-004
tblVehicleEF	LDT2	0.14	0.95
tblVehicleEF	LDT2	0.16	0.18
tblVehicleEF	LDT2	0.12	0.80
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	6.7430e-003	4.2090e-003
tblVehicleEF	LDT2	9.2200e-003	0.07
tblVehicleEF	LDT2	0.81	0.92
tblVehicleEF	LDT2	1.82	2.74
tblVehicleEF	LDT2	355.82	328.19
tblVehicleEF	LDT2	81.97	70.22
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5300e-003
tblVehicleEF	LDT2	2.4180e-003	1.9480e-003
tblVehicleEF	LDT2	1.5980e-003	1.4080e-003
tblVehicleEF	LDT2	2.2230e-003	1.7910e-003
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	3.5650e-003	3.2470e-003
tblVehicleEF	LDT2	8.5100e-004	6.9500e-004
tblVehicleEF	LDT2	0.07	0.46

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.14	0.38
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.5090e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.39
tblVehicleEF	LHD1	1.16	0.88
tblVehicleEF	LHD1	2.77	1.03
tblVehicleEF	LHD1	9.23	128.99
tblVehicleEF	LHD1	614.92	648.62
tblVehicleEF	LHD1	30.92	10.79
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	2.26	1.54
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.9680e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.6300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4920e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.4200e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.29

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2480e-003
tblVehicleEF	LHD1	6.0360e-003	6.3130e-003
tblVehicleEF	LHD1	3.6200e-004	1.0700e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.6670e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.39
tblVehicleEF	LHD1	1.18	0.90
tblVehicleEF	LHD1	2.58	0.97
tblVehicleEF	LHD1	9.23	128.99
tblVehicleEF	LHD1	614.92	648.66
tblVehicleEF	LHD1	30.92	10.67
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	2.12	1.44
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.9680e-003

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.6300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4920e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.4200e-004
tblVehicleEF	LHD1	7.5090e-003	0.09
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	4.2150e-003	0.05
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2480e-003
tblVehicleEF	LHD1	6.0370e-003	6.3140e-003
tblVehicleEF	LHD1	3.5800e-004	1.0600e-004
tblVehicleEF	LHD1	7.5090e-003	0.09
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	4.2150e-003	0.05
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.5250e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.39

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	1.16	0.89
tblVehicleEF	LHD1	2.72	1.02
tblVehicleEF	LHD1	9.23	128.99
tblVehicleEF	LHD1	614.92	648.63
tblVehicleEF	LHD1	30.92	10.76
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	2.22	1.51
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.9680e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.6300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4920e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.4200e-004
tblVehicleEF	LHD1	4.1760e-003	0.05
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.64
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2480e-003
tblVehicleEF	LHD1	6.0360e-003	6.3130e-003
tblVehicleEF	LHD1	3.6100e-004	1.0600e-004
tblVehicleEF	LHD1	4.1760e-003	0.05
tblVehicleEF	LHD1	0.13	0.10

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.64
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	0.04
tblVehicleEF	LHD2	5.2410e-003	4.1580e-003
tblVehicleEF	LHD2	9.1660e-003	9.5080e-003
tblVehicleEF	LHD2	0.12	1.83
tblVehicleEF	LHD2	0.55	0.56
tblVehicleEF	LHD2	1.29	0.61
tblVehicleEF	LHD2	14.32	193.92
tblVehicleEF	LHD2	614.63	648.96
tblVehicleEF	LHD2	24.89	7.78
tblVehicleEF	LHD2	0.12	1.53
tblVehicleEF	LHD2	1.69	1.65
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2600e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1600e-004
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.22

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8530e-003
tblVehicleEF	LHD2	5.9810e-003	6.2610e-003
tblVehicleEF	LHD2	2.7300e-004	7.7000e-005
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.30
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	0.04
tblVehicleEF	LHD2	5.3190e-003	4.2030e-003
tblVehicleEF	LHD2	8.7380e-003	9.0810e-003
tblVehicleEF	LHD2	0.12	1.83
tblVehicleEF	LHD2	0.56	0.56
tblVehicleEF	LHD2	1.21	0.57
tblVehicleEF	LHD2	14.32	193.92
tblVehicleEF	LHD2	614.63	648.97
tblVehicleEF	LHD2	24.89	7.71
tblVehicleEF	LHD2	0.12	1.53
tblVehicleEF	LHD2	1.59	1.55
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2600e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1600e-004
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.22
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8530e-003
tblVehicleEF	LHD2	5.9810e-003	6.2610e-003
tblVehicleEF	LHD2	2.7100e-004	7.6000e-005
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.30
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	0.04
tblVehicleEF	LHD2	5.2490e-003	4.1630e-003
tblVehicleEF	LHD2	9.0820e-003	9.4270e-003
tblVehicleEF	LHD2	0.12	1.83

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.55	0.56
tblVehicleEF	LHD2	1.27	0.60
tblVehicleEF	LHD2	14.32	193.92
tblVehicleEF	LHD2	614.63	648.96
tblVehicleEF	LHD2	24.89	7.77
tblVehicleEF	LHD2	0.12	1.53
tblVehicleEF	LHD2	1.67	1.62
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2600e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1600e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.22
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8530e-003
tblVehicleEF	LHD2	5.9810e-003	6.2610e-003
tblVehicleEF	LHD2	2.7200e-004	7.7000e-005
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.02	0.30
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	20.74
tblVehicleEF	MCY	9.91	8.78
tblVehicleEF	MCY	167.12	210.98
tblVehicleEF	MCY	46.87	61.55
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.8280e-003
tblVehicleEF	MCY	3.7460e-003	3.0520e-003
tblVehicleEF	MCY	1.7050e-003	1.7110e-003
tblVehicleEF	MCY	3.5370e-003	2.8770e-003
tblVehicleEF	MCY	1.45	2.89
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	1.59
tblVehicleEF	MCY	2.26	2.23
tblVehicleEF	MCY	0.50	2.04
tblVehicleEF	MCY	2.17	1.90
tblVehicleEF	MCY	2.0790e-003	2.0880e-003
tblVehicleEF	MCY	6.9500e-004	6.0900e-004
tblVehicleEF	MCY	1.45	2.89
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	1.59

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	2.76	2.74
tblVehicleEF	MCY	0.50	2.04
tblVehicleEF	MCY	2.37	2.07
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	20.87
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	210.98
tblVehicleEF	MCY	46.87	59.35
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.8280e-003
tblVehicleEF	MCY	3.7460e-003	3.0520e-003
tblVehicleEF	MCY	1.7050e-003	1.7110e-003
tblVehicleEF	MCY	3.5370e-003	2.8770e-003
tblVehicleEF	MCY	3.14	6.27
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	4.24
tblVehicleEF	MCY	2.19	2.17
tblVehicleEF	MCY	0.50	2.03
tblVehicleEF	MCY	1.87	1.63
tblVehicleEF	MCY	2.0790e-003	2.0880e-003
tblVehicleEF	MCY	6.7100e-004	5.8700e-004
tblVehicleEF	MCY	3.14	6.27
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	4.24
tblVehicleEF	MCY	2.69	2.67
tblVehicleEF	MCY	0.50	2.03

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.79
tblVehicleEF	MCY	9.53	8.43
tblVehicleEF	MCY	167.12	209.35
tblVehicleEF	MCY	46.87	60.75
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	1.8190e-003	1.8280e-003
tblVehicleEF	MCY	3.7460e-003	3.0520e-003
tblVehicleEF	MCY	1.7050e-003	1.7110e-003
tblVehicleEF	MCY	3.5370e-003	2.8770e-003
tblVehicleEF	MCY	1.71	3.40
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	1.42
tblVehicleEF	MCY	2.22	2.20
tblVehicleEF	MCY	0.57	2.32
tblVehicleEF	MCY	2.10	1.83
tblVehicleEF	MCY	2.0630e-003	2.0720e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	3.40
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	1.42
tblVehicleEF	MCY	2.71	2.69
tblVehicleEF	MCY	0.57	2.32
tblVehicleEF	MCY	2.28	1.99
tblVehicleEF	MDV	0.01	5.5850e-003

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.55	1.14
tblVehicleEF	MDV	3.59	3.33
tblVehicleEF	MDV	498.66	414.18
tblVehicleEF	MDV	110.76	87.05
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	1.8680e-003	1.6380e-003
tblVehicleEF	MDV	2.5890e-003	2.0560e-003
tblVehicleEF	MDV	1.7240e-003	1.5110e-003
tblVehicleEF	MDV	2.3820e-003	1.8910e-003
tblVehicleEF	MDV	0.10	0.53
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.28	0.45
tblVehicleEF	MDV	5.0000e-003	4.0950e-003
tblVehicleEF	MDV	1.1710e-003	8.6100e-004
tblVehicleEF	MDV	0.10	0.53
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.31	0.50
tblVehicleEF	MDV	0.02	6.3910e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.39

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	2.99	2.75
tblVehicleEF	MDV	542.90	440.29
tblVehicleEF	MDV	110.76	85.88
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	1.8680e-003	1.6380e-003
tblVehicleEF	MDV	2.5890e-003	2.0560e-003
tblVehicleEF	MDV	1.7240e-003	1.5110e-003
tblVehicleEF	MDV	2.3820e-003	1.8910e-003
tblVehicleEF	MDV	0.21	1.07
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.95
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.24	0.38
tblVehicleEF	MDV	5.4470e-003	4.3530e-003
tblVehicleEF	MDV	1.1600e-003	8.5000e-004
tblVehicleEF	MDV	0.21	1.07
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.95
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.26	0.42
tblVehicleEF	MDV	0.01	5.4380e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.47	1.08
tblVehicleEF	MDV	3.53	3.28
tblVehicleEF	MDV	488.33	407.99

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	110.76	86.95
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	1.8680e-003	1.6380e-003
tblVehicleEF	MDV	2.5890e-003	2.0560e-003
tblVehicleEF	MDV	1.7240e-003	1.5110e-003
tblVehicleEF	MDV	2.3820e-003	1.8910e-003
tblVehicleEF	MDV	0.10	0.51
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.43
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.13	0.60
tblVehicleEF	MDV	0.28	0.45
tblVehicleEF	MDV	4.8960e-003	4.0340e-003
tblVehicleEF	MDV	1.1700e-003	8.6000e-004
tblVehicleEF	MDV	0.10	0.51
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.43
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.13	0.60
tblVehicleEF	MDV	0.31	0.49
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.60	0.36
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	951.23
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.54

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	8.9930e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.74	0.36
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	951.23
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.26

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	8.9930e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.61	0.36
tblVehicleEF	MH	6.87	0.00
tblVehicleEF	MH	1,048.28	951.23
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.46

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	8.9930e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	4.1450e-003	3.4880e-003
tblVehicleEF	MHD	0.06	8.5120e-003
tblVehicleEF	MHD	0.33	3.72
tblVehicleEF	MHD	0.31	0.35
tblVehicleEF	MHD	6.00	0.97
tblVehicleEF	MHD	155.10	763.26

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	1,105.72	999.60
tblVehicleEF	MHD	53.92	8.24
tblVehicleEF	MHD	0.63	5.60
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	4.3700e-004	0.01
tblVehicleEF	MHD	5.5780e-003	0.03
tblVehicleEF	MHD	8.2200e-004	1.0000e-004
tblVehicleEF	MHD	4.1800e-004	0.01
tblVehicleEF	MHD	5.3330e-003	0.03
tblVehicleEF	MHD	7.5600e-004	9.2000e-005
tblVehicleEF	MHD	1.4330e-003	6.5510e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.20
tblVehicleEF	MHD	7.1400e-004	3.3140e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.4910e-003	7.2390e-003
tblVehicleEF	MHD	0.01	9.5250e-003
tblVehicleEF	MHD	6.4400e-004	8.2000e-005
tblVehicleEF	MHD	1.4330e-003	6.5510e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.26
tblVehicleEF	MHD	7.1400e-004	3.3140e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.2290e-003	3.5290e-003
tblVehicleEF	MHD	0.05	8.1180e-003
tblVehicleEF	MHD	0.24	3.14
tblVehicleEF	MHD	0.32	0.36
tblVehicleEF	MHD	5.61	0.91
tblVehicleEF	MHD	164.29	771.16
tblVehicleEF	MHD	1,105.72	999.60
tblVehicleEF	MHD	53.92	8.13
tblVehicleEF	MHD	0.65	5.60
tblVehicleEF	MHD	1.01	1.44
tblVehicleEF	MHD	3.6900e-004	0.01
tblVehicleEF	MHD	5.5780e-003	0.03
tblVehicleEF	MHD	8.2200e-004	1.0000e-004
tblVehicleEF	MHD	3.5300e-004	0.01
tblVehicleEF	MHD	5.3330e-003	0.03
tblVehicleEF	MHD	7.5600e-004	9.2000e-005
tblVehicleEF	MHD	2.8480e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.19
tblVehicleEF	MHD	1.6690e-003	7.6700e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	7.3150e-003
tblVehicleEF	MHD	0.01	9.5250e-003
tblVehicleEF	MHD	6.3800e-004	8.1000e-005

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	2.8480e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.25
tblVehicleEF	MHD	1.6690e-003	7.6700e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	4.1530e-003	3.4910e-003
tblVehicleEF	MHD	0.06	8.4150e-003
tblVehicleEF	MHD	0.46	4.54
tblVehicleEF	MHD	0.31	0.35
tblVehicleEF	MHD	5.90	0.96
tblVehicleEF	MHD	142.41	752.30
tblVehicleEF	MHD	1,105.72	999.60
tblVehicleEF	MHD	53.92	8.22
tblVehicleEF	MHD	0.60	5.60
tblVehicleEF	MHD	1.06	1.51
tblVehicleEF	MHD	5.3200e-004	0.02
tblVehicleEF	MHD	5.5780e-003	0.03
tblVehicleEF	MHD	8.2200e-004	1.0000e-004
tblVehicleEF	MHD	5.0900e-004	0.02
tblVehicleEF	MHD	5.3330e-003	0.03
tblVehicleEF	MHD	7.5600e-004	9.2000e-005
tblVehicleEF	MHD	1.5800e-003	7.1340e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.21

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	7.0500e-004	3.2580e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.3710e-003	7.1340e-003
tblVehicleEF	MHD	0.01	9.5250e-003
tblVehicleEF	MHD	6.4300e-004	8.1000e-005
tblVehicleEF	MHD	1.5800e-003	7.1340e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	7.0500e-004	3.2580e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.39	0.05
tblVehicleEF	OBUS	0.01	0.15
tblVehicleEF	OBUS	0.01	8.5440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	8.14
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	2.73
tblVehicleEF	OBUS	70.21	1,123.19
tblVehicleEF	OBUS	1,126.32	1,475.42
tblVehicleEF	OBUS	71.08	21.88
tblVehicleEF	OBUS	0.32	4.83
tblVehicleEF	OBUS	1.10	1.13
tblVehicleEF	OBUS	1.1300e-004	8.4380e-003
tblVehicleEF	OBUS	5.4210e-003	0.01

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	9.1200e-004	2.3000e-004
tblVehicleEF	OBUS	1.0800e-004	8.0730e-003
tblVehicleEF	OBUS	5.1650e-003	0.01
tblVehicleEF	OBUS	8.3900e-004	2.1200e-004
tblVehicleEF	OBUS	2.2350e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.82
tblVehicleEF	OBUS	9.4600e-004	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.1700e-004
tblVehicleEF	OBUS	2.2350e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.10
tblVehicleEF	OBUS	9.4600e-004	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.14
tblVehicleEF	OBUS	0.01	0.16
tblVehicleEF	OBUS	0.01	8.7760e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	8.00
tblVehicleEF	OBUS	0.75	1.01
tblVehicleEF	OBUS	6.11	2.51

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	73.34	1,120.89
tblVehicleEF	OBUS	1,126.32	1,475.46
tblVehicleEF	OBUS	71.08	21.50
tblVehicleEF	OBUS	0.33	4.72
tblVehicleEF	OBUS	1.02	1.04
tblVehicleEF	OBUS	9.5000e-005	7.1700e-003
tblVehicleEF	OBUS	5.4210e-003	0.01
tblVehicleEF	OBUS	9.1200e-004	2.3000e-004
tblVehicleEF	OBUS	9.1000e-005	6.8600e-003
tblVehicleEF	OBUS	5.1650e-003	0.01
tblVehicleEF	OBUS	8.3900e-004	2.1200e-004
tblVehicleEF	OBUS	4.3510e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.83
tblVehicleEF	OBUS	2.1830e-003	0.04
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1300e-004
tblVehicleEF	OBUS	4.3510e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.11
tblVehicleEF	OBUS	2.1830e-003	0.04
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.05	0.31

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	0.15
tblVehicleEF	OBUS	0.01	8.5700e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	8.35
tblVehicleEF	OBUS	0.73	0.99
tblVehicleEF	OBUS	6.62	2.71
tblVehicleEF	OBUS	65.88	1,126.37
tblVehicleEF	OBUS	1,126.32	1,475.42
tblVehicleEF	OBUS	71.08	21.85
tblVehicleEF	OBUS	0.31	4.99
tblVehicleEF	OBUS	1.08	1.11
tblVehicleEF	OBUS	1.3700e-004	0.01
tblVehicleEF	OBUS	5.4210e-003	0.01
tblVehicleEF	OBUS	9.1200e-004	2.3000e-004
tblVehicleEF	OBUS	1.3100e-004	9.7470e-003
tblVehicleEF	OBUS	5.1650e-003	0.01
tblVehicleEF	OBUS	8.3900e-004	2.1200e-004
tblVehicleEF	OBUS	2.3980e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.81
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.4100e-004	0.01
tblVehicleEF	OBUS	0.01	0.01

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	8.2700e-004	2.1600e-004
tblVehicleEF	OBUS	2.3980e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.09
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.45	0.14
tblVehicleEF	SBUS	0.86	0.42
tblVehicleEF	SBUS	0.01	6.8550e-003
tblVehicleEF	SBUS	0.07	4.0770e-003
tblVehicleEF	SBUS	5.64	19.45
tblVehicleEF	SBUS	0.71	0.58
tblVehicleEF	SBUS	5.49	0.55
tblVehicleEF	SBUS	1,270.71	3,450.42
tblVehicleEF	SBUS	1,144.20	1,128.72
tblVehicleEF	SBUS	36.06	3.21
tblVehicleEF	SBUS	12.46	34.41
tblVehicleEF	SBUS	5.17	5.07
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7630e-003	2.7660e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.8000e-005

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	3.0740e-003	7.5770e-003
tblVehicleEF	SBUS	0.02	5.5390e-003
tblVehicleEF	SBUS	0.68	2.03
tblVehicleEF	SBUS	1.3130e-003	3.5730e-003
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.2000e-005
tblVehicleEF	SBUS	3.0740e-003	7.5770e-003
tblVehicleEF	SBUS	0.02	5.5390e-003
tblVehicleEF	SBUS	0.97	2.89
tblVehicleEF	SBUS	1.3130e-003	3.5730e-003
tblVehicleEF	SBUS	0.14	0.11
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	SBUS	0.86	0.43
tblVehicleEF	SBUS	0.01	6.9390e-003
tblVehicleEF	SBUS	0.06	3.3780e-003
tblVehicleEF	SBUS	5.48	19.07
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	3.76	0.39
tblVehicleEF	SBUS	1,335.64	3,531.60
tblVehicleEF	SBUS	1,144.20	1,128.74
tblVehicleEF	SBUS	36.06	2.94
tblVehicleEF	SBUS	12.86	35.11

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	4.84	4.75
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	2.7630e-003	2.7660e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.8000e-005
tblVehicleEF	SBUS	5.9210e-003	0.01
tblVehicleEF	SBUS	0.02	5.8520e-003
tblVehicleEF	SBUS	0.67	2.03
tblVehicleEF	SBUS	2.9370e-003	6.9140e-003
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.03
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.9000e-005
tblVehicleEF	SBUS	5.9210e-003	0.01
tblVehicleEF	SBUS	0.02	5.8520e-003
tblVehicleEF	SBUS	0.96	2.89
tblVehicleEF	SBUS	2.9370e-003	6.9140e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.03
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.42

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.01	6.8510e-003
tblVehicleEF	SBUS	0.07	4.1760e-003
tblVehicleEF	SBUS	5.85	19.98
tblVehicleEF	SBUS	0.71	0.58
tblVehicleEF	SBUS	5.54	0.57
tblVehicleEF	SBUS	1,181.05	3,338.32
tblVehicleEF	SBUS	1,144.20	1,128.72
tblVehicleEF	SBUS	36.06	3.24
tblVehicleEF	SBUS	11.91	33.44
tblVehicleEF	SBUS	5.09	4.99
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	2.7630e-003	2.7660e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.8000e-005
tblVehicleEF	SBUS	3.2090e-003	7.4530e-003
tblVehicleEF	SBUS	0.02	5.8800e-003
tblVehicleEF	SBUS	0.68	2.04
tblVehicleEF	SBUS	1.2980e-003	3.6250e-003
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	4.5600e-004	3.2000e-005
tblVehicleEF	SBUS	3.2090e-003	7.4530e-003
tblVehicleEF	SBUS	0.02	5.8800e-003
tblVehicleEF	SBUS	0.97	2.89
tblVehicleEF	SBUS	1.2980e-003	3.6250e-003
tblVehicleEF	SBUS	0.14	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	1.9690e-003
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	0.05
tblVehicleEF	UBUS	14.93	1.43
tblVehicleEF	UBUS	1,861.83	392.71
tblVehicleEF	UBUS	135.15	16.90
tblVehicleEF	UBUS	6.43	0.05
tblVehicleEF	UBUS	0.52	0.03
tblVehicleEF	UBUS	0.01	2.9850e-003
tblVehicleEF	UBUS	0.07	4.6500e-004
tblVehicleEF	UBUS	1.3790e-003	1.8900e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	7.4600e-004
tblVehicleEF	UBUS	0.07	4.2900e-004
tblVehicleEF	UBUS	1.2680e-003	1.7400e-004
tblVehicleEF	UBUS	8.4220e-003	1.5320e-003
tblVehicleEF	UBUS	0.12	8.4710e-003
tblVehicleEF	UBUS	4.0730e-003	2.6090e-003
tblVehicleEF	UBUS	0.66	3.0050e-003

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.19	0.06
tblVehicleEF	UBUS	0.01	3.8820e-003
tblVehicleEF	UBUS	1.6230e-003	1.6700e-004
tblVehicleEF	UBUS	8.4220e-003	1.5320e-003
tblVehicleEF	UBUS	0.12	8.4710e-003
tblVehicleEF	UBUS	4.0730e-003	2.6090e-003
tblVehicleEF	UBUS	2.68	5.3540e-003
tblVehicleEF	UBUS	0.02	3.98
tblVehicleEF	UBUS	1.30	0.07
tblVehicleEF	UBUS	1.95	2.0010e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.90	0.05
tblVehicleEF	UBUS	12.23	1.17
tblVehicleEF	UBUS	1,861.83	392.72
tblVehicleEF	UBUS	135.15	16.47
tblVehicleEF	UBUS	5.98	0.05
tblVehicleEF	UBUS	0.52	0.03
tblVehicleEF	UBUS	0.01	2.9850e-003
tblVehicleEF	UBUS	0.07	4.6500e-004
tblVehicleEF	UBUS	1.3790e-003	1.8900e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	7.4600e-004
tblVehicleEF	UBUS	0.07	4.2900e-004
tblVehicleEF	UBUS	1.2680e-003	1.7400e-004
tblVehicleEF	UBUS	0.02	2.9020e-003
tblVehicleEF	UBUS	0.15	0.01

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	9.6640e-003	5.9090e-003
tblVehicleEF	UBUS	0.67	3.0930e-003
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.8820e-003
tblVehicleEF	UBUS	1.5760e-003	1.6300e-004
tblVehicleEF	UBUS	0.02	2.9020e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	5.9090e-003
tblVehicleEF	UBUS	2.69	5.4830e-003
tblVehicleEF	UBUS	0.02	3.98
tblVehicleEF	UBUS	1.16	0.06
tblVehicleEF	UBUS	1.95	1.9730e-003
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	0.05
tblVehicleEF	UBUS	14.43	1.39
tblVehicleEF	UBUS	1,861.83	392.71
tblVehicleEF	UBUS	135.15	16.85
tblVehicleEF	UBUS	6.31	0.05
tblVehicleEF	UBUS	0.52	0.03
tblVehicleEF	UBUS	0.01	2.9850e-003
tblVehicleEF	UBUS	0.07	4.6500e-004
tblVehicleEF	UBUS	1.3790e-003	1.8900e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	7.4600e-004
tblVehicleEF	UBUS	0.07	4.2900e-004
tblVehicleEF	UBUS	1.2680e-003	1.7400e-004

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	9.6690e-003	1.6220e-003
tblVehicleEF	UBUS	0.15	9.7130e-003
tblVehicleEF	UBUS	4.2700e-003	2.5930e-003
tblVehicleEF	UBUS	0.66	3.0140e-003
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.06
tblVehicleEF	UBUS	0.01	3.8820e-003
tblVehicleEF	UBUS	1.6140e-003	1.6700e-004
tblVehicleEF	UBUS	9.6690e-003	1.6220e-003
tblVehicleEF	UBUS	0.15	9.7130e-003
tblVehicleEF	UBUS	4.2700e-003	2.5930e-003
tblVehicleEF	UBUS	2.68	5.3680e-003
tblVehicleEF	UBUS	0.03	3.99
tblVehicleEF	UBUS	1.28	0.07
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	37,758,500.00	0.00
tblWater	IndoorWaterUseRate	151,034,000.00	0.00

2.0 Emissions Summary

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2020	6-30-2020	1.7280	1.7280
2	7-1-2020	9-30-2020	2.1036	2.1036
3	10-1-2020	12-31-2020	2.3458	2.3458
4	1-1-2021	3-31-2021	1.9213	1.9213
		Highest	2.3458	2.3458

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.3905	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.3905	1.8000e-004	0.0199	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.3905	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.3905	1.8000e-004	0.0199	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410

	ROG	NOx	CO	SO2	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

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2020	4/28/2020	5	20	
2	Grading	Grading	5/1/2020	6/15/2020	5	32	
3	Off-Site Improvements	Trenching	5/1/2020	3/31/2021	5	239	
4	Building Construction	Building Construction	6/16/2020	2/26/2021	5	184	
5	Paving	Paving	12/12/2020	2/26/2021	5	55	
6	Architectural Coating	Architectural Coating	12/12/2020	2/26/2021	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 96

Acres of Paving: 17.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,224,600; Non-Residential Outdoor: 408,200; Striped Parking Area: 45,934 (Architectural Coating – sqft)

OffRoad Equipment

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Off-Site Improvements	Paving Equipment	1	8.00	132	0.36
Off-Site Improvements	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Off-Site Improvements	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	664.00	259.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	133.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7100e-003	0.0000	1.7100e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
Total	0.0331	0.3320	0.2175	3.9000e-004	1.7100e-003	0.0166	0.0183	2.6000e-004	0.0154	0.0157	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.0200e-003	3.1000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5977	0.5977	3.0000e-005	0.0000	0.5986
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	7.4000e-004	5.8000e-004	5.8200e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4097	1.4097	4.0000e-005	0.0000	1.4108
Total	7.9000e-004	2.6000e-003	6.1300e-003	3.0000e-005	1.7800e-003	2.0000e-005	1.8000e-003	4.8000e-004	2.0000e-005	4.9000e-004	0.0000	2.0075	2.0075	7.0000e-005	0.0000	2.0094

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.7000e-004	0.0000	6.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
Total	0.0331	0.3320	0.2175	3.9000e-004	6.7000e-004	0.0166	0.0173	1.0000e-004	0.0154	0.0155	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.0200e-003	3.1000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5977	0.5977	3.0000e-005	0.0000	0.5986
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	7.4000e-004	5.8000e-004	5.8200e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4097	1.4097	4.0000e-005	0.0000	1.4108
Total	7.9000e-004	2.6000e-003	6.1300e-003	3.0000e-005	1.7800e-003	2.0000e-005	1.8000e-003	4.8000e-004	2.0000e-005	4.9000e-004	0.0000	2.0075	2.0075	7.0000e-005	0.0000	2.0094

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1473	0.0000	0.1473	0.0585	0.0000	0.0585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0712	0.8032	0.5113	9.9000e-004		0.0348	0.0348		0.0320	0.0320	0.0000	87.1749	87.1749	0.0282	0.0000	87.8797
Total	0.0712	0.8032	0.5113	9.9000e-004	0.1473	0.0348	0.1820	0.0585	0.0320	0.0905	0.0000	87.1749	87.1749	0.0282	0.0000	87.8797

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.5800e-003	1.2400e-003	0.0124	3.0000e-005	3.5100e-003	2.0000e-005	3.5300e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	3.0074	3.0074	9.0000e-005	0.0000	3.0097
Total	1.5800e-003	1.2400e-003	0.0124	3.0000e-005	3.5100e-003	2.0000e-005	3.5300e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	3.0074	3.0074	9.0000e-005	0.0000	3.0097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0574	0.0000	0.0574	0.0228	0.0000	0.0228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0712	0.8032	0.5113	9.9000e-004		0.0348	0.0348		0.0320	0.0320	0.0000	87.1748	87.1748	0.0282	0.0000	87.8796
Total	0.0712	0.8032	0.5113	9.9000e-004	0.0574	0.0348	0.0922	0.0228	0.0320	0.0548	0.0000	87.1748	87.1748	0.0282	0.0000	87.8796

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.3 Grading - 2020

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	1.5800e-003	1.2400e-003	0.0124	3.0000e-005	3.5100e-003	2.0000e-005	3.5300e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	3.0074	3.0074	9.0000e-005	0.0000	3.0097
Total	1.5800e-003	1.2400e-003	0.0124	3.0000e-005	3.5100e-003	2.0000e-005	3.5300e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	3.0074	3.0074	9.0000e-005	0.0000	3.0097

3.4 Off-Site Improvements - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0548	0.5558	0.6207	9.0000e-004		0.0327	0.0327		0.0301	0.0301	0.0000	79.0663	79.0663	0.0256	0.0000	79.7056
Total	0.0548	0.5558	0.6207	9.0000e-004		0.0327	0.0327		0.0301	0.0301	0.0000	79.0663	79.0663	0.0256	0.0000	79.7056

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.4 Off-Site Improvements - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	3.4600e-003	2.7200e-003	0.0272	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0900e-003	0.0000	6.5787	6.5787	2.0000e-004	0.0000	6.5837
Total	3.4600e-003	2.7200e-003	0.0272	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0900e-003	0.0000	6.5787	6.5787	2.0000e-004	0.0000	6.5837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0548	0.5558	0.6207	9.0000e-004		0.0327	0.0327		0.0301	0.0301	0.0000	79.0662	79.0662	0.0256	0.0000	79.7055
Total	0.0548	0.5558	0.6207	9.0000e-004		0.0327	0.0327		0.0301	0.0301	0.0000	79.0662	79.0662	0.0256	0.0000	79.7055

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.4 Off-Site Improvements - 2020

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	3.4600e-003	2.7200e-003	0.0272	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0900e-003	0.0000	6.5787	6.5787	2.0000e-004	0.0000	6.5837
Total	3.4600e-003	2.7200e-003	0.0272	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0900e-003	0.0000	6.5787	6.5787	2.0000e-004	0.0000	6.5837

3.4 Off-Site Improvements - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1834	0.2260	3.3000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	28.9212	28.9212	9.3500e-003	0.0000	29.1551
Total	0.0181	0.1834	0.2260	3.3000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	28.9212	28.9212	9.3500e-003	0.0000	29.1551

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.4 Off-Site Improvements - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.1800e-003	8.9000e-004	9.1200e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.3294	2.3294	7.0000e-005	0.0000	2.3310
Total	1.1800e-003	8.9000e-004	9.1200e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.3294	2.3294	7.0000e-005	0.0000	2.3310

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	0.0181	0.1834	0.2260	3.3000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	28.9212	28.9212	9.3500e-003	0.0000	29.1550
Total	0.0181	0.1834	0.2260	3.3000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	28.9212	28.9212	9.3500e-003	0.0000	29.1550

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.4 Off-Site Improvements - 2021

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	1.1800e-003	8.9000e-004	9.1200e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.3294	2.3294	7.0000e-005	0.0000	2.3310
Total	1.1800e-003	8.9000e-004	9.1200e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.3294	2.3294	7.0000e-005	0.0000	2.3310

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1612	1.4764	1.2847	2.0600e-003		0.0854	0.0854		0.0802	0.0802	0.0000	177.4476	177.4476	0.0442	0.0000	178.5535
Total	0.1612	1.4764	1.2847	2.0600e-003		0.0854	0.0854		0.0802	0.0802	0.0000	177.4476	177.4476	0.0442	0.0000	178.5535

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0575	1.9769	0.4134	4.9400e-003	0.1168	9.0400e-003	0.1258	0.0337	8.6500e-003	0.0424	0.0000	472.8090	472.8090	0.0327	0.0000	473.6268
Worker	0.2345	0.1843	1.8413	4.9400e-003	0.5206	3.4800e-003	0.5240	0.1383	3.2000e-003	0.1415	0.0000	446.1890	446.1890	0.0134	0.0000	446.5240
Total	0.2920	2.1612	2.2548	9.8800e-003	0.6373	0.0125	0.6498	0.1720	0.0119	0.1838	0.0000	918.9979	918.9979	0.0461	0.0000	920.1508

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	0.1612	1.4764	1.2847	2.0600e-003		0.0854	0.0854		0.0802	0.0802	0.0000	177.4474	177.4474	0.0442	0.0000	178.5532
Total	0.1612	1.4764	1.2847	2.0600e-003		0.0854	0.0854		0.0802	0.0802	0.0000	177.4474	177.4474	0.0442	0.0000	178.5532

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2020

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	0.0575	1.9769	0.4134	4.9400e-003	0.1168	9.0400e-003	0.1258	0.0337	8.6500e-003	0.0424	0.0000	472.8090	472.8090	0.0327	0.0000	473.6268
Worker	0.2345	0.1843	1.8413	4.9400e-003	0.5206	3.4800e-003	0.5240	0.1383	3.2000e-003	0.1415	0.0000	446.1890	446.1890	0.0134	0.0000	446.5240
Total	0.2920	2.1612	2.2548	9.8800e-003	0.6373	0.0125	0.6498	0.1720	0.0119	0.1838	0.0000	918.9979	918.9979	0.0461	0.0000	920.1508

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0415	0.3844	0.3623	5.9000e-004		0.0210	0.0210		0.0197	0.0197	0.0000	50.8830	50.8830	0.0126	0.0000	51.1969
Total	0.0415	0.3844	0.3623	5.9000e-004		0.0210	0.0210		0.0197	0.0197	0.0000	50.8830	50.8830	0.0126	0.0000	51.1969

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.5165	0.1051	1.4100e-003	0.0335	8.9000e-004	0.0344	9.6600e-003	8.5000e-004	0.0105	0.0000	134.8418	134.8418	9.0800e-003	0.0000	135.0689
Worker	0.0627	0.0474	0.4850	1.3700e-003	0.1493	9.7000e-004	0.1502	0.0396	9.0000e-004	0.0405	0.0000	123.8557	123.8557	3.4700e-003	0.0000	123.9423
Total	0.0767	0.5639	0.5901	2.7800e-003	0.1827	1.8600e-003	0.1846	0.0493	1.7500e-003	0.0511	0.0000	258.6975	258.6975	0.0126	0.0000	259.0113

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	0.0415	0.3844	0.3623	5.9000e-004		0.0210	0.0210		0.0197	0.0197	0.0000	50.8829	50.8829	0.0126	0.0000	51.1968
Total	0.0415	0.3844	0.3623	5.9000e-004		0.0210	0.0210		0.0197	0.0197	0.0000	50.8829	50.8829	0.0126	0.0000	51.1968

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2021

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	0.0141	0.5165	0.1051	1.4100e-003	0.0335	8.9000e-004	0.0344	9.6600e-003	8.5000e-004	0.0105	0.0000	134.8418	134.8418	9.0800e-003	0.0000	135.0689
Worker	0.0627	0.0474	0.4850	1.3700e-003	0.1493	9.7000e-004	0.1502	0.0396	9.0000e-004	0.0405	0.0000	123.8557	123.8557	3.4700e-003	0.0000	123.9423
Total	0.0767	0.5639	0.5901	2.7800e-003	0.1827	1.8600e-003	0.1846	0.0493	1.7500e-003	0.0511	0.0000	258.6975	258.6975	0.0126	0.0000	259.0113

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5000e-003	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0198	14.0198	4.5300e-003	0.0000	14.1331
Paving	4.6600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0142	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0198	14.0198	4.5300e-003	0.0000	14.1331

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876
Total	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5000e-003	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0197	14.0197	4.5300e-003	0.0000	14.1331
Paving	4.6600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0142	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0197	14.0197	4.5300e-003	0.0000	14.1331

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.6 Paving - 2020

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	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876
Total	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0257	0.2648	0.3004	4.7000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	41.0481	41.0481	0.0133	0.0000	41.3800
Paving	0.0136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0394	0.2648	0.3004	4.7000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	41.0481	41.0481	0.0133	0.0000	41.3800

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.4200e-003	1.0700e-003	0.0110	3.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.7979	2.7979	8.0000e-005	0.0000	2.7999
Total	1.4200e-003	1.0700e-003	0.0110	3.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.7979	2.7979	8.0000e-005	0.0000	2.7999

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	0.0257	0.2648	0.3004	4.7000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	41.0481	41.0481	0.0133	0.0000	41.3800
Paving	0.0136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0394	0.2648	0.3004	4.7000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	41.0481	41.0481	0.0133	0.0000	41.3800

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.6 Paving - 2021

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	1.4200e-003	1.0700e-003	0.0110	3.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.7979	2.7979	8.0000e-005	0.0000	2.7999
Total	1.4200e-003	1.0700e-003	0.0110	3.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.7979	2.7979	8.0000e-005	0.0000	2.7999

3.7 Architectural Coating - 2020

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					
Archit. Coating	0.0990					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2600e-003	0.0157	0.0171	3.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	2.3830	2.3830	1.8000e-004	0.0000	2.3877
Total	0.1013	0.0157	0.0171	3.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	2.3830	2.3830	1.8000e-004	0.0000	2.3877

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	4.6000e-003	3.6100e-003	0.0361	1.0000e-004	0.0102	7.0000e-005	0.0103	2.7100e-003	6.0000e-005	2.7700e-003	0.0000	8.7497	8.7497	2.6000e-004	0.0000	8.7563
Total	4.6000e-003	3.6100e-003	0.0361	1.0000e-004	0.0102	7.0000e-005	0.0103	2.7100e-003	6.0000e-005	2.7700e-003	0.0000	8.7497	8.7497	2.6000e-004	0.0000	8.7563

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					
Archit. Coating	0.0990					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2600e-003	0.0157	0.0171	3.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	2.3830	2.3830	1.8000e-004	0.0000	2.3877
Total	0.1013	0.0157	0.0171	3.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	2.3830	2.3830	1.8000e-004	0.0000	2.3877

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.7 Architectural Coating - 2020

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	4.6000e-003	3.6100e-003	0.0361	1.0000e-004	0.0102	7.0000e-005	0.0103	2.7100e-003	6.0000e-005	2.7700e-003	0.0000	8.7497	8.7497	2.6000e-004	0.0000	8.7563
Total	4.6000e-003	3.6100e-003	0.0361	1.0000e-004	0.0102	7.0000e-005	0.0103	2.7100e-003	6.0000e-005	2.7700e-003	0.0000	8.7497	8.7497	2.6000e-004	0.0000	8.7563

3.7 Architectural Coating - 2021

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					
Archit. Coating	0.2900					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9800e-003	0.0417	0.0497	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.9789	6.9789	4.8000e-004	0.0000	6.9909
Total	0.2960	0.0417	0.0497	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.9789	6.9789	4.8000e-004	0.0000	6.9909

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0126	9.4900e-003	0.0972	2.7000e-004	0.0299	1.9000e-004	0.0301	7.9400e-003	1.8000e-004	8.1200e-003	0.0000	24.8084	24.8084	6.9000e-004	0.0000	24.8258
Total	0.0126	9.4900e-003	0.0972	2.7000e-004	0.0299	1.9000e-004	0.0301	7.9400e-003	1.8000e-004	8.1200e-003	0.0000	24.8084	24.8084	6.9000e-004	0.0000	24.8258

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					
Archit. Coating	0.2900					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9800e-003	0.0417	0.0497	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.9789	6.9789	4.8000e-004	0.0000	6.9909
Total	0.2960	0.0417	0.0497	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.9789	6.9789	4.8000e-004	0.0000	6.9909

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.7 Architectural Coating - 2021

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	0.0126	9.4900e-003	0.0972	2.7000e-004	0.0299	1.9000e-004	0.0301	7.9400e-003	1.8000e-004	8.1200e-003	0.0000	24.8084	24.8084	6.9000e-004	0.0000	24.8258
Total	0.0126	9.4900e-003	0.0972	2.7000e-004	0.0299	1.9000e-004	0.0301	7.9400e-003	1.8000e-004	8.1200e-003	0.0000	24.8084	24.8084	6.9000e-004	0.0000	24.8258

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	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 Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	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 Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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**

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.3905	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Unmitigated	3.3905	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410

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	tons/yr										MT/yr					
Architectural Coating	0.3891					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8600e-003	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Total	3.3905	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3891					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8600e-003	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Total	3.3905	1.8000e-004	0.0199	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410

7.0 Water Detail

7.1 Mitigation Measures Water

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

	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 Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Goodman Industrial Park - Phase 1 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Equipment Type	Number
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11.0 Vegetation

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Goodman Industrial Park - Phase 2 (Construction - Mitigated)
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	60.41	1000sqft	1.39	60,412.00	0
Unrefrigerated Warehouse-No Rail	241.65	1000sqft	5.55	241,648.00	0
Other Non-Asphalt Surfaces	54.93	1000sqft	1.26	54,933.00	0
Parking Lot	152.00	Space	3.68	160,353.12	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Project Characteristics -

Land Use - Phase 2 consist of the construction of Buildings 5 (212,420 sf) and the Future Expansion Area (89,640 sf). Consistent with the Traffic Study, 80% of Buildings are designated for warehouse use and the remaining 20% for high-cube cold storage warehouse use. Parking Spaces consist of both Auto Parking and Trailer Parking.

Construction Phase - Construction Schedule consistent with Goodman Logistics Center Fontana III AQ, GHG, & HRA Scoping Agreement.

Off-road Equipment - Equipment based on consultation with the Project applicant.

Off-road Equipment -

Off-road Equipment - Hours are based on an 8 hour workday.

Off-road Equipment -

Off-road Equipment - Hours are based on an 8 hour workday.

Grading - Based on the Equipment List the total acres graded per day is 3.0 acres for grading activities.

Architectural Coating - The Project shall utilize "Super-Compliant" low VOC paints which have been reformulated to exceed the regulatory VOC limits put forth by SCAQMD's Rule 1113 (BACM AQ-2). Super-Compliant low VOC paints shall be no more than 10g/L of VOC.

Vehicle Trips - Construction Run Only.

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	10.00
tblConstructionPhase	NumDays	30.00	13.00
tblConstructionPhase	NumDays	300.00	184.00
tblEnergyUse	LightingElect	0.35	0.00

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
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tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	32.50	39.00
tblLandUse	LandUseSquareFeet	60,800.00	160,353.12
tblLandUse	LotAcreage	1.37	3.68
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	56.79	0.00
tblSolidWaste	SolidWasteGenerationRate	227.15	0.00
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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.01	0.03
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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	2.4910e-003	2.0320e-003
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tblVehicleEF	LDT1	0.20	0.88
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tblVehicleEF	LDT1	0.33	0.26
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Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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tblVehicleEF	LDT1	2.7050e-003	2.2090e-003
tblVehicleEF	LDT1	3.6920e-003	2.8520e-003
tblVehicleEF	LDT1	2.4910e-003	2.0320e-003
tblVehicleEF	LDT1	3.3960e-003	2.6220e-003
tblVehicleEF	LDT1	0.19	0.89
tblVehicleEF	LDT1	0.39	0.30

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	0.12	0.55
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.03
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0290e-003
tblVehicleEF	LDT1	7.7200e-004	6.4700e-004
tblVehicleEF	LDT1	0.19	0.89
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.55
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.23	1.03
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.3120e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	0.98
tblVehicleEF	LDT2	1.67	2.78
tblVehicleEF	LDT2	351.15	334.03
tblVehicleEF	LDT2	79.39	70.30
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7270e-003	1.5300e-003
tblVehicleEF	LDT2	2.4170e-003	1.9480e-003
tblVehicleEF	LDT2	1.5880e-003	1.4080e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.06	0.46
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	3.5180e-003	3.3050e-003
tblVehicleEF	LDT2	8.2200e-004	6.9600e-004
tblVehicleEF	LDT2	0.06	0.46
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	7.1840e-003	4.9250e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.19
tblVehicleEF	LDT2	1.38	2.30
tblVehicleEF	LDT2	383.36	358.66
tblVehicleEF	LDT2	79.39	69.35
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	1.7270e-003	1.5300e-003
tblVehicleEF	LDT2	2.4170e-003	1.9480e-003
tblVehicleEF	LDT2	1.5880e-003	1.4080e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.13	0.95
tblVehicleEF	LDT2	0.15	0.18
tblVehicleEF	LDT2	0.11	0.80
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.29

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	3.8420e-003	3.5480e-003
tblVehicleEF	LDT2	8.1700e-004	6.8600e-004
tblVehicleEF	LDT2	0.13	0.95
tblVehicleEF	LDT2	0.15	0.18
tblVehicleEF	LDT2	0.11	0.80
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	6.1560e-003	4.2090e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.92
tblVehicleEF	LDT2	1.64	2.74
tblVehicleEF	LDT2	343.55	328.19
tblVehicleEF	LDT2	79.39	70.22
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	1.7270e-003	1.5300e-003
tblVehicleEF	LDT2	2.4170e-003	1.9480e-003
tblVehicleEF	LDT2	1.5880e-003	1.4080e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.06	0.46
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	3.4410e-003	3.2470e-003
tblVehicleEF	LDT2	8.2200e-004	6.9500e-004

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	0.06	0.46
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.5090e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	2.39
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	128.99
tblVehicleEF	LHD1	609.20	648.62
tblVehicleEF	LHD1	30.40	10.79
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	2.12	1.54
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.9680e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4920e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4200e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.09

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2480e-003
tblVehicleEF	LHD1	5.9760e-003	6.3130e-003
tblVehicleEF	LHD1	3.5300e-004	1.0700e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.6670e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	2.39
tblVehicleEF	LHD1	1.09	0.90
tblVehicleEF	LHD1	2.43	0.97
tblVehicleEF	LHD1	9.23	128.99
tblVehicleEF	LHD1	609.20	648.66
tblVehicleEF	LHD1	30.40	10.67
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	1.98	1.44
tblVehicleEF	LHD1	9.6500e-004	0.01

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.01	9.9680e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4920e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4200e-004
tblVehicleEF	LHD1	7.3080e-003	0.09
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	4.1220e-003	0.05
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.60
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2480e-003
tblVehicleEF	LHD1	5.9770e-003	6.3140e-003
tblVehicleEF	LHD1	3.5000e-004	1.0600e-004
tblVehicleEF	LHD1	7.3080e-003	0.09
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	4.1220e-003	0.05
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.60
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.5250e-003
tblVehicleEF	LHD1	0.02	0.02

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.14	2.39
tblVehicleEF	LHD1	1.07	0.89
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	128.99
tblVehicleEF	LHD1	609.20	648.63
tblVehicleEF	LHD1	30.40	10.76
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	2.08	1.51
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.9680e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4920e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4200e-004
tblVehicleEF	LHD1	4.0430e-003	0.05
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.7940e-003	0.02
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.38	0.64
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2480e-003
tblVehicleEF	LHD1	5.9760e-003	6.3130e-003
tblVehicleEF	LHD1	3.5200e-004	1.0600e-004
tblVehicleEF	LHD1	4.0430e-003	0.05

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.7940e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.64
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	0.04
tblVehicleEF	LHD2	4.6110e-003	4.1580e-003
tblVehicleEF	LHD2	8.1370e-003	9.5080e-003
tblVehicleEF	LHD2	0.12	1.83
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.20	0.61
tblVehicleEF	LHD2	14.27	193.92
tblVehicleEF	LHD2	608.52	648.96
tblVehicleEF	LHD2	24.46	7.78
tblVehicleEF	LHD2	0.11	1.53
tblVehicleEF	LHD2	1.49	1.65
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1600e-004
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.05

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.01	0.22
tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.8530e-003
tblVehicleEF	LHD2	5.9200e-003	6.2610e-003
tblVehicleEF	LHD2	2.6700e-004	7.7000e-005
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.30
tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.5950e-003	0.04
tblVehicleEF	LHD2	4.6760e-003	4.2030e-003
tblVehicleEF	LHD2	7.7630e-003	9.0810e-003
tblVehicleEF	LHD2	0.12	1.83
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.13	0.57
tblVehicleEF	LHD2	14.27	193.92
tblVehicleEF	LHD2	608.52	648.97
tblVehicleEF	LHD2	24.46	7.71
tblVehicleEF	LHD2	0.11	1.53
tblVehicleEF	LHD2	1.40	1.55
tblVehicleEF	LHD2	1.2830e-003	0.02

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1600e-004
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.22
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8530e-003
tblVehicleEF	LHD2	5.9200e-003	6.2610e-003
tblVehicleEF	LHD2	2.6500e-004	7.6000e-005
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.30
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	0.04
tblVehicleEF	LHD2	4.6180e-003	4.1630e-003
tblVehicleEF	LHD2	8.0640e-003	9.4270e-003

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.12	1.83
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.19	0.60
tblVehicleEF	LHD2	14.27	193.92
tblVehicleEF	LHD2	608.52	648.96
tblVehicleEF	LHD2	24.46	7.77
tblVehicleEF	LHD2	0.11	1.53
tblVehicleEF	LHD2	1.46	1.62
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1600e-004
tblVehicleEF	LHD2	1.3460e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.22
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.8530e-003
tblVehicleEF	LHD2	5.9200e-003	6.2610e-003
tblVehicleEF	LHD2	2.6600e-004	7.7000e-005
tblVehicleEF	LHD2	1.3460e-003	0.02

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.30
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.43	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	20.55	20.74
tblVehicleEF	MCY	9.93	8.78
tblVehicleEF	MCY	167.73	210.98
tblVehicleEF	MCY	46.45	61.55
tblVehicleEF	MCY	1.16	1.17
tblVehicleEF	MCY	1.8610e-003	1.8280e-003
tblVehicleEF	MCY	3.6730e-003	3.0520e-003
tblVehicleEF	MCY	1.7420e-003	1.7110e-003
tblVehicleEF	MCY	3.4650e-003	2.8770e-003
tblVehicleEF	MCY	1.45	2.89
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.80	1.59
tblVehicleEF	MCY	2.23	2.23
tblVehicleEF	MCY	0.49	2.04
tblVehicleEF	MCY	2.16	1.90
tblVehicleEF	MCY	2.0770e-003	2.0880e-003
tblVehicleEF	MCY	6.9000e-004	6.0900e-004
tblVehicleEF	MCY	1.45	2.89
tblVehicleEF	MCY	0.84	0.84

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	0.80	1.59
tblVehicleEF	MCY	2.74	2.74
tblVehicleEF	MCY	0.49	2.04
tblVehicleEF	MCY	2.35	2.07
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	20.68	20.87
tblVehicleEF	MCY	9.05	7.97
tblVehicleEF	MCY	167.73	210.98
tblVehicleEF	MCY	46.45	59.35
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8610e-003	1.8280e-003
tblVehicleEF	MCY	3.6730e-003	3.0520e-003
tblVehicleEF	MCY	1.7420e-003	1.7110e-003
tblVehicleEF	MCY	3.4650e-003	2.8770e-003
tblVehicleEF	MCY	3.14	6.27
tblVehicleEF	MCY	1.27	1.28
tblVehicleEF	MCY	2.13	4.24
tblVehicleEF	MCY	2.17	2.17
tblVehicleEF	MCY	0.49	2.03
tblVehicleEF	MCY	1.86	1.63
tblVehicleEF	MCY	2.0770e-003	2.0880e-003
tblVehicleEF	MCY	6.6700e-004	5.8700e-004
tblVehicleEF	MCY	3.14	6.27
tblVehicleEF	MCY	1.27	1.28
tblVehicleEF	MCY	2.13	4.24
tblVehicleEF	MCY	2.67	2.67

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	0.49	2.03
tblVehicleEF	MCY	2.02	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	19.79
tblVehicleEF	MCY	9.55	8.43
tblVehicleEF	MCY	167.73	209.35
tblVehicleEF	MCY	46.45	60.75
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8610e-003	1.8280e-003
tblVehicleEF	MCY	3.6730e-003	3.0520e-003
tblVehicleEF	MCY	1.7420e-003	1.7110e-003
tblVehicleEF	MCY	3.4650e-003	2.8770e-003
tblVehicleEF	MCY	1.71	3.40
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.72	1.42
tblVehicleEF	MCY	2.19	2.20
tblVehicleEF	MCY	0.56	2.32
tblVehicleEF	MCY	2.08	1.83
tblVehicleEF	MCY	2.0610e-003	2.0720e-003
tblVehicleEF	MCY	6.8200e-004	6.0100e-004
tblVehicleEF	MCY	1.71	3.40
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.72	1.42
tblVehicleEF	MCY	2.69	2.69
tblVehicleEF	MCY	0.56	2.32
tblVehicleEF	MCY	2.27	1.99

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.01	5.5850e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.33
tblVehicleEF	MDV	483.94	414.18
tblVehicleEF	MDV	107.92	87.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	1.8260e-003	1.6380e-003
tblVehicleEF	MDV	2.5170e-003	2.0560e-003
tblVehicleEF	MDV	1.6830e-003	1.5110e-003
tblVehicleEF	MDV	2.3150e-003	1.8910e-003
tblVehicleEF	MDV	0.10	0.53
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.25	0.45
tblVehicleEF	MDV	4.8500e-003	4.0950e-003
tblVehicleEF	MDV	1.1370e-003	8.6100e-004
tblVehicleEF	MDV	0.10	0.53
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	0.01	6.3910e-003
tblVehicleEF	MDV	0.02	0.08

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	1.64	1.39
tblVehicleEF	MDV	2.69	2.75
tblVehicleEF	MDV	526.85	440.29
tblVehicleEF	MDV	107.92	85.88
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	1.8260e-003	1.6380e-003
tblVehicleEF	MDV	2.5170e-003	2.0560e-003
tblVehicleEF	MDV	1.6830e-003	1.5110e-003
tblVehicleEF	MDV	2.3150e-003	1.8910e-003
tblVehicleEF	MDV	0.20	1.07
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.17	0.95
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3530e-003
tblVehicleEF	MDV	1.1260e-003	8.5000e-004
tblVehicleEF	MDV	0.20	1.07
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.17	0.95
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	0.01	5.4380e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.08
tblVehicleEF	MDV	3.20	3.28

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	473.93	407.99
tblVehicleEF	MDV	107.92	86.95
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	1.8260e-003	1.6380e-003
tblVehicleEF	MDV	2.5170e-003	2.0560e-003
tblVehicleEF	MDV	1.6830e-003	1.5110e-003
tblVehicleEF	MDV	2.3150e-003	1.8910e-003
tblVehicleEF	MDV	0.10	0.51
tblVehicleEF	MDV	0.22	0.19
tblVehicleEF	MDV	0.08	0.43
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.60
tblVehicleEF	MDV	0.25	0.45
tblVehicleEF	MDV	4.7490e-003	4.0340e-003
tblVehicleEF	MDV	1.1360e-003	8.6000e-004
tblVehicleEF	MDV	0.10	0.51
tblVehicleEF	MDV	0.22	0.19
tblVehicleEF	MDV	0.08	0.43
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.60
tblVehicleEF	MDV	0.27	0.49
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.36
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	951.23
tblVehicleEF	MH	59.49	0.00

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	1.54	4.54
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	8.9930e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.36
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	951.23
tblVehicleEF	MH	59.49	0.00

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	1.41	4.26
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	8.9930e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.36
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	951.23
tblVehicleEF	MH	59.49	0.00

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	1.51	4.46
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	8.9930e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.5160e-003	3.4880e-003
tblVehicleEF	MHD	0.05	8.5120e-003
tblVehicleEF	MHD	0.32	3.72
tblVehicleEF	MHD	0.27	0.35
tblVehicleEF	MHD	5.32	0.97

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	156.91	763.26
tblVehicleEF	MHD	1,101.52	999.60
tblVehicleEF	MHD	52.43	8.24
tblVehicleEF	MHD	0.60	5.60
tblVehicleEF	MHD	0.99	1.54
tblVehicleEF	MHD	3.8600e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	1.0000e-004
tblVehicleEF	MHD	3.6900e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.2000e-005
tblVehicleEF	MHD	1.2800e-003	6.5510e-003
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.20
tblVehicleEF	MHD	6.5100e-004	3.3140e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.5080e-003	7.2390e-003
tblVehicleEF	MHD	0.01	9.5250e-003
tblVehicleEF	MHD	6.1700e-004	8.2000e-005
tblVehicleEF	MHD	1.2800e-003	6.5510e-003
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.26
tblVehicleEF	MHD	6.5100e-004	3.3140e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.11

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.5800e-003	3.5290e-003
tblVehicleEF	MHD	0.05	8.1180e-003
tblVehicleEF	MHD	0.24	3.14
tblVehicleEF	MHD	0.28	0.36
tblVehicleEF	MHD	4.97	0.91
tblVehicleEF	MHD	166.20	771.16
tblVehicleEF	MHD	1,101.52	999.60
tblVehicleEF	MHD	52.43	8.13
tblVehicleEF	MHD	0.62	5.60
tblVehicleEF	MHD	0.92	1.44
tblVehicleEF	MHD	3.2500e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	1.0000e-004
tblVehicleEF	MHD	3.1100e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.2000e-005
tblVehicleEF	MHD	2.5300e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.19
tblVehicleEF	MHD	1.5010e-003	7.6700e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.30	0.04
tblVehicleEF	MHD	1.5950e-003	7.3150e-003
tblVehicleEF	MHD	0.01	9.5250e-003

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	6.1100e-004	8.1000e-005
tblVehicleEF	MHD	2.5300e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.25
tblVehicleEF	MHD	1.5010e-003	7.6700e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.33	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.5220e-003	3.4910e-003
tblVehicleEF	MHD	0.05	8.4150e-003
tblVehicleEF	MHD	0.45	4.54
tblVehicleEF	MHD	0.27	0.35
tblVehicleEF	MHD	5.23	0.96
tblVehicleEF	MHD	144.06	752.30
tblVehicleEF	MHD	1,101.52	999.60
tblVehicleEF	MHD	52.43	8.22
tblVehicleEF	MHD	0.57	5.60
tblVehicleEF	MHD	0.97	1.51
tblVehicleEF	MHD	4.7000e-004	0.02
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	1.0000e-004
tblVehicleEF	MHD	4.4900e-004	0.02
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.2000e-005
tblVehicleEF	MHD	1.3890e-003	7.1340e-003
tblVehicleEF	MHD	0.05	0.02

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	0.03	0.21
tblVehicleEF	MHD	6.4000e-004	3.2580e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.3860e-003	7.1340e-003
tblVehicleEF	MHD	0.01	9.5250e-003
tblVehicleEF	MHD	6.1600e-004	8.1000e-005
tblVehicleEF	MHD	1.3890e-003	7.1340e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	6.4000e-004	3.2580e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	OBUS	0.01	0.15
tblVehicleEF	OBUS	9.9110e-003	8.5440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	8.14
tblVehicleEF	OBUS	0.63	0.98
tblVehicleEF	OBUS	6.27	2.73
tblVehicleEF	OBUS	70.35	1,123.19
tblVehicleEF	OBUS	1,121.50	1,475.42
tblVehicleEF	OBUS	70.70	21.88
tblVehicleEF	OBUS	0.28	4.83
tblVehicleEF	OBUS	0.97	1.13
tblVehicleEF	OBUS	6.4000e-005	8.4380e-003

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3000e-004
tblVehicleEF	OBUS	6.1000e-005	8.0730e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1200e-004
tblVehicleEF	OBUS	2.1800e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.82
tblVehicleEF	OBUS	9.3100e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	6.8400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.1700e-004
tblVehicleEF	OBUS	2.1800e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.10
tblVehicleEF	OBUS	9.3100e-004	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	0.16
tblVehicleEF	OBUS	0.01	8.7760e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	8.00
tblVehicleEF	OBUS	0.65	1.01

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	5.74	2.51
tblVehicleEF	OBUS	73.50	1,120.89
tblVehicleEF	OBUS	1,121.50	1,475.46
tblVehicleEF	OBUS	70.70	21.50
tblVehicleEF	OBUS	0.29	4.72
tblVehicleEF	OBUS	0.90	1.04
tblVehicleEF	OBUS	5.4000e-005	7.1700e-003
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3000e-004
tblVehicleEF	OBUS	5.1000e-005	6.8600e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1200e-004
tblVehicleEF	OBUS	4.2350e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.83
tblVehicleEF	OBUS	2.1330e-003	0.04
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.1400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.1300e-004
tblVehicleEF	OBUS	4.2350e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.11
tblVehicleEF	OBUS	2.1330e-003	0.04
tblVehicleEF	OBUS	0.06	0.08

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	OBUS	0.01	0.15
tblVehicleEF	OBUS	9.9380e-003	8.5700e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	8.35
tblVehicleEF	OBUS	0.63	0.99
tblVehicleEF	OBUS	6.22	2.71
tblVehicleEF	OBUS	66.00	1,126.37
tblVehicleEF	OBUS	1,121.50	1,475.42
tblVehicleEF	OBUS	70.70	21.85
tblVehicleEF	OBUS	0.27	4.99
tblVehicleEF	OBUS	0.96	1.11
tblVehicleEF	OBUS	7.7000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3000e-004
tblVehicleEF	OBUS	7.4000e-005	9.7470e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1200e-004
tblVehicleEF	OBUS	2.3200e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.81
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	6.4200e-004	0.01

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.1600e-004
tblVehicleEF	OBUS	2.3200e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.09
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	SBUS	0.84	0.42
tblVehicleEF	SBUS	0.01	6.8550e-003
tblVehicleEF	SBUS	0.07	4.0770e-003
tblVehicleEF	SBUS	5.71	19.45
tblVehicleEF	SBUS	0.65	0.58
tblVehicleEF	SBUS	5.33	0.55
tblVehicleEF	SBUS	1,258.13	3,450.42
tblVehicleEF	SBUS	1,136.31	1,128.72
tblVehicleEF	SBUS	37.11	3.21
tblVehicleEF	SBUS	11.70	34.41
tblVehicleEF	SBUS	4.77	5.07
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7560e-003	2.7660e-003
tblVehicleEF	SBUS	0.03	0.03

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	4.7500e-004	2.8000e-005
tblVehicleEF	SBUS	2.9260e-003	7.5770e-003
tblVehicleEF	SBUS	0.02	5.5390e-003
tblVehicleEF	SBUS	0.68	2.03
tblVehicleEF	SBUS	1.3050e-003	3.5730e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	9.3510e-003	0.04
tblVehicleEF	SBUS	0.27	0.02
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	3.2000e-005
tblVehicleEF	SBUS	2.9260e-003	7.5770e-003
tblVehicleEF	SBUS	0.02	5.5390e-003
tblVehicleEF	SBUS	0.97	2.89
tblVehicleEF	SBUS	1.3050e-003	3.5730e-003
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	9.3510e-003	0.04
tblVehicleEF	SBUS	0.30	0.03
tblVehicleEF	SBUS	0.84	0.43
tblVehicleEF	SBUS	0.01	6.9390e-003
tblVehicleEF	SBUS	0.06	3.3780e-003
tblVehicleEF	SBUS	5.56	19.07
tblVehicleEF	SBUS	0.66	0.59
tblVehicleEF	SBUS	3.65	0.39
tblVehicleEF	SBUS	1,322.00	3,531.60
tblVehicleEF	SBUS	1,136.31	1,128.74
tblVehicleEF	SBUS	37.11	2.94

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	12.08	35.11
tblVehicleEF	SBUS	4.47	4.75
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.0000e-005
tblVehicleEF	SBUS	9.6490e-003	0.03
tblVehicleEF	SBUS	2.7560e-003	2.7660e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	2.8000e-005
tblVehicleEF	SBUS	5.6170e-003	0.01
tblVehicleEF	SBUS	0.02	5.8520e-003
tblVehicleEF	SBUS	0.67	2.03
tblVehicleEF	SBUS	2.8800e-003	6.9140e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.5310e-003	0.03
tblVehicleEF	SBUS	0.22	0.02
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	2.9000e-005
tblVehicleEF	SBUS	5.6170e-003	0.01
tblVehicleEF	SBUS	0.02	5.8520e-003
tblVehicleEF	SBUS	0.97	2.89
tblVehicleEF	SBUS	2.8800e-003	6.9140e-003
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	8.5310e-003	0.03
tblVehicleEF	SBUS	0.24	0.02

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.84	0.42
tblVehicleEF	SBUS	0.01	6.8510e-003
tblVehicleEF	SBUS	0.07	4.1760e-003
tblVehicleEF	SBUS	5.91	19.98
tblVehicleEF	SBUS	0.65	0.58
tblVehicleEF	SBUS	5.37	0.57
tblVehicleEF	SBUS	1,169.92	3,338.32
tblVehicleEF	SBUS	1,136.31	1,128.72
tblVehicleEF	SBUS	37.11	3.24
tblVehicleEF	SBUS	11.19	33.44
tblVehicleEF	SBUS	4.69	4.99
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	2.7560e-003	2.7660e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	2.8000e-005
tblVehicleEF	SBUS	2.9580e-003	7.4530e-003
tblVehicleEF	SBUS	0.02	5.8800e-003
tblVehicleEF	SBUS	0.68	2.04
tblVehicleEF	SBUS	1.2820e-003	3.6250e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	0.03

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	3.2000e-005
tblVehicleEF	SBUS	2.9580e-003	7.4530e-003
tblVehicleEF	SBUS	0.02	5.8800e-003
tblVehicleEF	SBUS	0.98	2.89
tblVehicleEF	SBUS	1.2820e-003	3.6250e-003
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	UBUS	1.83	1.9690e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.26	0.05
tblVehicleEF	UBUS	14.34	1.43
tblVehicleEF	UBUS	1,846.39	392.71
tblVehicleEF	UBUS	136.37	16.90
tblVehicleEF	UBUS	5.87	0.05
tblVehicleEF	UBUS	0.52	0.03
tblVehicleEF	UBUS	0.01	2.9850e-003
tblVehicleEF	UBUS	0.07	4.6500e-004
tblVehicleEF	UBUS	1.4030e-003	1.8900e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	7.4600e-004
tblVehicleEF	UBUS	0.06	4.2900e-004
tblVehicleEF	UBUS	1.2900e-003	1.7400e-004
tblVehicleEF	UBUS	8.0860e-003	1.5320e-003
tblVehicleEF	UBUS	0.11	8.4710e-003
tblVehicleEF	UBUS	3.9450e-003	2.6090e-003

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.61	3.0050e-003
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.06
tblVehicleEF	UBUS	0.01	3.8820e-003
tblVehicleEF	UBUS	1.6240e-003	1.6700e-004
tblVehicleEF	UBUS	8.0860e-003	1.5320e-003
tblVehicleEF	UBUS	0.11	8.4710e-003
tblVehicleEF	UBUS	3.9450e-003	2.6090e-003
tblVehicleEF	UBUS	2.50	5.3540e-003
tblVehicleEF	UBUS	0.02	3.98
tblVehicleEF	UBUS	1.25	0.07
tblVehicleEF	UBUS	1.83	2.0010e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.36	0.05
tblVehicleEF	UBUS	11.74	1.17
tblVehicleEF	UBUS	1,846.39	392.72
tblVehicleEF	UBUS	136.37	16.47
tblVehicleEF	UBUS	5.45	0.05
tblVehicleEF	UBUS	0.52	0.03
tblVehicleEF	UBUS	0.01	2.9850e-003
tblVehicleEF	UBUS	0.07	4.6500e-004
tblVehicleEF	UBUS	1.4030e-003	1.8900e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	7.4600e-004
tblVehicleEF	UBUS	0.06	4.2900e-004
tblVehicleEF	UBUS	1.2900e-003	1.7400e-004
tblVehicleEF	UBUS	0.02	2.9020e-003

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.9090e-003
tblVehicleEF	UBUS	0.62	3.0930e-003
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.06
tblVehicleEF	UBUS	0.01	3.8820e-003
tblVehicleEF	UBUS	1.5790e-003	1.6300e-004
tblVehicleEF	UBUS	0.02	2.9020e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.9090e-003
tblVehicleEF	UBUS	2.52	5.4830e-003
tblVehicleEF	UBUS	0.02	3.98
tblVehicleEF	UBUS	1.12	0.06
tblVehicleEF	UBUS	1.83	1.9730e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.27	0.05
tblVehicleEF	UBUS	13.86	1.39
tblVehicleEF	UBUS	1,846.39	392.71
tblVehicleEF	UBUS	136.37	16.85
tblVehicleEF	UBUS	5.76	0.05
tblVehicleEF	UBUS	0.52	0.03
tblVehicleEF	UBUS	0.01	2.9850e-003
tblVehicleEF	UBUS	0.07	4.6500e-004
tblVehicleEF	UBUS	1.4030e-003	1.8900e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	7.4600e-004
tblVehicleEF	UBUS	0.06	4.2900e-004

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	1.2900e-003	1.7400e-004
tblVehicleEF	UBUS	9.2250e-003	1.6220e-003
tblVehicleEF	UBUS	0.14	9.7130e-003
tblVehicleEF	UBUS	4.1190e-003	2.5930e-003
tblVehicleEF	UBUS	0.61	3.0140e-003
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.06
tblVehicleEF	UBUS	0.01	3.8820e-003
tblVehicleEF	UBUS	1.6160e-003	1.6700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6220e-003
tblVehicleEF	UBUS	0.14	9.7130e-003
tblVehicleEF	UBUS	4.1190e-003	2.5930e-003
tblVehicleEF	UBUS	2.50	5.3680e-003
tblVehicleEF	UBUS	0.03	3.99
tblVehicleEF	UBUS	1.24	0.07
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	13,969,812.50	0.00
tblWater	IndoorWaterUseRate	55,881,562.50	0.00

2.0 Emissions Summary

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	5-1-2021	7-31-2021	1.4022	1.4022
2	8-1-2021	10-31-2021	1.2264	1.2264
3	11-1-2021	1-31-2022	1.1871	1.1871
4	2-1-2022	4-30-2022	0.7070	0.7070
		Highest	1.4022	1.4022

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2490	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.2490	6.0000e-005	6.5100e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2490	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.2490	6.0000e-005	6.5100e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135

	ROG	NOx	CO	SO2	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

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2021	5/28/2021	5	20	
2	Off-Site Improvements	Trenching	5/1/2021	3/31/2022	5	239	
3	Grading	Grading	5/29/2021	6/16/2021	5	13	
4	Building Construction	Building Construction	6/17/2021	3/1/2022	5	184	
5	Paving	Paving	2/1/2022	2/28/2022	5	20	
6	Architectural Coating	Architectural Coating	2/1/2022	2/28/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 39

Acres of Paving: 4.94

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 453,090; Non-Residential Outdoor: 151,030; Striped Parking Area: 12,917 (Architectural Coating – sqft)

OffRoad Equipment

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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
Off-Site Improvements	Paving Equipment	1	8.00	132	0.36
Off-Site Improvements	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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	31.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Off-Site Improvements	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	217.00	85.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.3100e-003	0.0000	3.3100e-003	5.0000e-004	0.0000	5.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	3.3100e-003	0.0155	0.0188	5.0000e-004	0.0144	0.0149	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	3.6200e-003	5.8000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1476	1.1476	6.0000e-005	0.0000	1.1492
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	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	7.8000e-004	4.1400e-003	5.9200e-003	3.0000e-005	1.9100e-003	2.0000e-005	1.9400e-003	5.1000e-004	2.0000e-005	5.3000e-004	0.0000	2.5124	2.5124	1.0000e-004	0.0000	2.5150

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2900e-003	0.0000	1.2900e-003	2.0000e-004	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	1.2900e-003	0.0155	0.0168	2.0000e-004	0.0144	0.0146	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	3.6200e-003	5.8000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1476	1.1476	6.0000e-005	0.0000	1.1492
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	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	7.8000e-004	4.1400e-003	5.9200e-003	3.0000e-005	1.9100e-003	2.0000e-005	1.9400e-003	5.1000e-004	2.0000e-005	5.3000e-004	0.0000	2.5124	2.5124	1.0000e-004	0.0000	2.5150

3.3 Off-Site Improvements - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0496	0.5015	0.6179	9.0000e-004		0.0279	0.0279		0.0257	0.0257	0.0000	79.0815	79.0815	0.0256	0.0000	79.7209
Total	0.0496	0.5015	0.6179	9.0000e-004		0.0279	0.0279		0.0257	0.0257	0.0000	79.0815	79.0815	0.0256	0.0000	79.7209

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.3 Off-Site Improvements - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	3.2200e-003	2.4400e-003	0.0249	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.3693	6.3693	1.8000e-004	0.0000	6.3738
Total	3.2200e-003	2.4400e-003	0.0249	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.3693	6.3693	1.8000e-004	0.0000	6.3738

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	0.0496	0.5015	0.6179	9.0000e-004		0.0279	0.0279		0.0257	0.0257	0.0000	79.0814	79.0814	0.0256	0.0000	79.7208
Total	0.0496	0.5015	0.6179	9.0000e-004		0.0279	0.0279		0.0257	0.0257	0.0000	79.0814	79.0814	0.0256	0.0000	79.7208

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.3 Off-Site Improvements - 2021

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	3.2200e-003	2.4400e-003	0.0249	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.3693	6.3693	1.8000e-004	0.0000	6.3738
Total	3.2200e-003	2.4400e-003	0.0249	7.0000e-005	7.6800e-003	5.0000e-005	7.7300e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.3693	6.3693	1.8000e-004	0.0000	6.3738

3.3 Off-Site Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1629	0.2247	3.3000e-004		8.4800e-003	8.4800e-003		7.8000e-003	7.8000e-003	0.0000	28.9413	28.9413	9.3600e-003	0.0000	29.1753
Total	0.0162	0.1629	0.2247	3.3000e-004		8.4800e-003	8.4800e-003		7.8000e-003	7.8000e-003	0.0000	28.9413	28.9413	9.3600e-003	0.0000	29.1753

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.3 Off-Site Improvements - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.1000e-003	8.0000e-004	8.3700e-003	2.0000e-005	2.8100e-003	2.0000e-005	2.8200e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2454	2.2454	6.0000e-005	0.0000	2.2469
Total	1.1000e-003	8.0000e-004	8.3700e-003	2.0000e-005	2.8100e-003	2.0000e-005	2.8200e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2454	2.2454	6.0000e-005	0.0000	2.2469

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	0.0162	0.1629	0.2247	3.3000e-004		8.4800e-003	8.4800e-003		7.8000e-003	7.8000e-003	0.0000	28.9412	28.9412	9.3600e-003	0.0000	29.1752
Total	0.0162	0.1629	0.2247	3.3000e-004		8.4800e-003	8.4800e-003		7.8000e-003	7.8000e-003	0.0000	28.9412	28.9412	9.3600e-003	0.0000	29.1752

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.3 Off-Site Improvements - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.1000e-003	8.0000e-004	8.3700e-003	2.0000e-005	2.8100e-003	2.0000e-005	2.8200e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2454	2.2454	6.0000e-005	0.0000	2.2469
Total	1.1000e-003	8.0000e-004	8.3700e-003	2.0000e-005	2.8100e-003	2.0000e-005	2.8200e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2454	2.2454	6.0000e-005	0.0000	2.2469

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0598	0.0000	0.0598	0.0238	0.0000	0.0238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.3016	0.2007	4.0000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	35.4217	35.4217	0.0115	0.0000	35.7081
Total	0.0272	0.3016	0.2007	4.0000e-004	0.0598	0.0129	0.0727	0.0238	0.0119	0.0356	0.0000	35.4217	35.4217	0.0115	0.0000	35.7081

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	6.0000e-004	4.5000e-004	4.6300e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1829	1.1829	3.0000e-005	0.0000	1.1837
Total	6.0000e-004	4.5000e-004	4.6300e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1829	1.1829	3.0000e-005	0.0000	1.1837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0233	0.0000	0.0233	9.2600e-003	0.0000	9.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.3016	0.2007	4.0000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	35.4217	35.4217	0.0115	0.0000	35.7081
Total	0.0272	0.3016	0.2007	4.0000e-004	0.0233	0.0129	0.0362	9.2600e-003	0.0119	0.0211	0.0000	35.4217	35.4217	0.0115	0.0000	35.7081

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.4 Grading - 2021

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	6.0000e-004	4.5000e-004	4.6300e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1829	1.1829	3.0000e-005	0.0000	1.1837
Total	6.0000e-004	4.5000e-004	4.6300e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1829	1.1829	3.0000e-005	0.0000	1.1837

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1436	1.3312	1.2546	2.0500e-003		0.0728	0.0728		0.0683	0.0683	0.0000	176.2289	176.2289	0.0435	0.0000	177.3160
Total	0.1436	1.3312	1.2546	2.0500e-003		0.0728	0.0728		0.0683	0.0683	0.0000	176.2289	176.2289	0.0435	0.0000	177.3160

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0160	0.5871	0.1195	1.6000e-003	0.0381	1.0100e-003	0.0391	0.0110	9.7000e-004	0.0120	0.0000	153.2669	153.2669	0.0103	0.0000	153.5250
Worker	0.0709	0.0536	0.5490	1.5500e-003	0.1689	1.1000e-003	0.1700	0.0449	1.0100e-003	0.0459	0.0000	140.1884	140.1884	3.9200e-003	0.0000	140.2865
Total	0.0869	0.6407	0.6684	3.1500e-003	0.2070	2.1100e-003	0.2091	0.0559	1.9800e-003	0.0578	0.0000	293.4552	293.4552	0.0143	0.0000	293.8115

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	0.1436	1.3312	1.2546	2.0500e-003		0.0728	0.0728		0.0683	0.0683	0.0000	176.2287	176.2287	0.0435	0.0000	177.3158
Total	0.1436	1.3312	1.2546	2.0500e-003		0.0728	0.0728		0.0683	0.0683	0.0000	176.2287	176.2287	0.0435	0.0000	177.3158

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2021

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	0.0160	0.5871	0.1195	1.6000e-003	0.0381	1.0100e-003	0.0391	0.0110	9.7000e-004	0.0120	0.0000	153.2669	153.2669	0.0103	0.0000	153.5250
Worker	0.0709	0.0536	0.5490	1.5500e-003	0.1689	1.1000e-003	0.1700	0.0449	1.0100e-003	0.0459	0.0000	140.1884	140.1884	3.9200e-003	0.0000	140.2865
Total	0.0869	0.6407	0.6684	3.1500e-003	0.2070	2.1100e-003	0.2091	0.0559	1.9800e-003	0.0578	0.0000	293.4552	293.4552	0.0143	0.0000	293.8115

3.5 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					
Off-Road	0.0381	0.3521	0.3662	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1452	52.1452	0.0128	0.0000	52.4648
Total	0.0381	0.3521	0.3662	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1452	52.1452	0.0128	0.0000	52.4648

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4100e-003	0.1645	0.0327	4.7000e-004	0.0113	2.5000e-004	0.0115	3.2500e-003	2.4000e-004	3.4900e-003	0.0000	44.9632	44.9632	2.9500e-003	0.0000	45.0369
Worker	0.0196	0.0143	0.1489	4.4000e-004	0.0500	3.2000e-004	0.0503	0.0133	2.9000e-004	0.0136	0.0000	39.9701	39.9701	1.0400e-003	0.0000	39.9961
Total	0.0240	0.1787	0.1816	9.1000e-004	0.0612	5.7000e-004	0.0618	0.0165	5.3000e-004	0.0171	0.0000	84.9333	84.9333	3.9900e-003	0.0000	85.0330

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	0.0381	0.3521	0.3662	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1451	52.1451	0.0128	0.0000	52.4647
Total	0.0381	0.3521	0.3662	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1451	52.1451	0.0128	0.0000	52.4647

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4100e-003	0.1645	0.0327	4.7000e-004	0.0113	2.5000e-004	0.0115	3.2500e-003	2.4000e-004	3.4900e-003	0.0000	44.9632	44.9632	2.9500e-003	0.0000	45.0369
Worker	0.0196	0.0143	0.1489	4.4000e-004	0.0500	3.2000e-004	0.0503	0.0133	2.9000e-004	0.0136	0.0000	39.9701	39.9701	1.0400e-003	0.0000	39.9961
Total	0.0240	0.1787	0.1816	9.1000e-004	0.0612	5.7000e-004	0.0618	0.0165	5.3000e-004	0.0171	0.0000	84.9333	84.9333	3.9900e-003	0.0000	85.0330

3.6 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	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	4.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
Total	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165

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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	4.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
Total	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165

3.7 Architectural Coating - 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					
Archit. Coating	0.1430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7300e-003	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099
Total	0.1457	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.8500e-003	1.3400e-003	0.0141	4.0000e-005	4.7100e-003	3.0000e-005	4.7400e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.7716	3.7716	1.0000e-004	0.0000	3.7741
Total	1.8500e-003	1.3400e-003	0.0141	4.0000e-005	4.7100e-003	3.0000e-005	4.7400e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.7716	3.7716	1.0000e-004	0.0000	3.7741

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					
Archit. Coating	0.1430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7300e-003	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099
Total	0.1457	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.8500e-003	1.3400e-003	0.0141	4.0000e-005	4.7100e-003	3.0000e-005	4.7400e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.7716	3.7716	1.0000e-004	0.0000	3.7741
Total	1.8500e-003	1.3400e-003	0.0141	4.0000e-005	4.7100e-003	3.0000e-005	4.7400e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.7716	3.7716	1.0000e-004	0.0000	3.7741

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	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 Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	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 Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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**

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	1.2490	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135
Unmitigated	1.2490	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135

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	tons/yr										MT/yr					
Architectural Coating	0.1430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1054					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.1000e-004	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135
Total	1.2490	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1054					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.1000e-004	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135
Total	1.2490	6.0000e-005	6.5100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0135

7.0 Water Detail

7.1 Mitigation Measures Water

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

	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 Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

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
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Goodman Industrial Park - Phase 2 (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 3.2:

CALEEMOD ANNUAL OPERATIONAL EMISSIONS MODEL OUTPUTS

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

Goodman Industrial Park (Operations - Passenger Cars)
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	223.69	1000sqft	5.14	223,692.00	0
Unrefrigerated Warehouse-No Rail	894.77	1000sqft	20.54	894,768.00	0
Other Non-Asphalt Surfaces	181.79	1000sqft	4.17	181,790.00	0
Parking Lot	729.00	Space	17.65	769,062.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	1.00
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24E	0.37	0.26
tblFleetMix	HHD	0.06	0.00

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblFleetMix	HHD	0.06	0.00
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LandUseSquareFeet	223,690.00	223,692.00
tblLandUse	LandUseSquareFeet	894,770.00	894,768.00

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblLandUse	LandUseSquareFeet	291,600.00	769,062.00
tblLandUse	LotAcreage	6.56	17.65
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.10	1.5530e-007
tblVehicleEF	HHD	3.29	8.22
tblVehicleEF	HHD	0.57	0.40
tblVehicleEF	HHD	1.82	2.2603e-003
tblVehicleEF	HHD	6,933.41	1,478.27
tblVehicleEF	HHD	1,475.79	1,372.23
tblVehicleEF	HHD	5.54	0.02
tblVehicleEF	HHD	26.50	7.64
tblVehicleEF	HHD	2.50	2.77
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.7639e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	6.4958e-007

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	9.3550e-003	3.6010e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.9166e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	5.9726e-007
tblVehicleEF	HHD	8.5000e-005	3.3443e-006
tblVehicleEF	HHD	3.1910e-003	1.0400e-004
tblVehicleEF	HHD	0.84	0.59
tblVehicleEF	HHD	5.2000e-005	1.9037e-006
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	2.1700e-004	5.2224e-004
tblVehicleEF	HHD	0.05	8.0550e-007
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	2.1742e-007
tblVehicleEF	HHD	8.5000e-005	3.3443e-006
tblVehicleEF	HHD	3.1910e-003	1.0400e-004
tblVehicleEF	HHD	0.97	0.67
tblVehicleEF	HHD	5.2000e-005	1.9037e-006
tblVehicleEF	HHD	0.13	0.12
tblVehicleEF	HHD	2.1700e-004	5.2224e-004
tblVehicleEF	HHD	0.06	8.8192e-007
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.09	1.4704e-007
tblVehicleEF	HHD	2.39	8.07
tblVehicleEF	HHD	0.57	0.40

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	1.70	2.1215e-003
tblVehicleEF	HHD	7,345.18	1,469.16
tblVehicleEF	HHD	1,475.79	1,372.23
tblVehicleEF	HHD	5.54	0.02
tblVehicleEF	HHD	27.35	7.37
tblVehicleEF	HHD	2.36	2.60
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.3443e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	6.4958e-007
tblVehicleEF	HHD	7.9170e-003	3.1996e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.9166e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	5.9726e-007
tblVehicleEF	HHD	1.6800e-004	7.0222e-006
tblVehicleEF	HHD	3.5970e-003	1.2227e-004
tblVehicleEF	HHD	0.79	0.62
tblVehicleEF	HHD	1.1700e-004	4.8038e-006
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	2.2100e-004	5.3874e-004
tblVehicleEF	HHD	0.05	7.6535e-007
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	2.1524e-007

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	1.6800e-004	7.0222e-006
tblVehicleEF	HHD	3.5970e-003	1.2227e-004
tblVehicleEF	HHD	0.91	0.71
tblVehicleEF	HHD	1.1700e-004	4.8038e-006
tblVehicleEF	HHD	0.13	0.12
tblVehicleEF	HHD	2.2100e-004	5.3874e-004
tblVehicleEF	HHD	0.06	8.3796e-007
tblVehicleEF	HHD	1.31	0.03
tblVehicleEF	HHD	0.04	2.3610e-003
tblVehicleEF	HHD	0.10	1.5369e-007
tblVehicleEF	HHD	4.53	8.37
tblVehicleEF	HHD	0.57	0.25
tblVehicleEF	HHD	1.79	2.2317e-003
tblVehicleEF	HHD	6,364.76	1,476.72
tblVehicleEF	HHD	1,475.79	1,332.53
tblVehicleEF	HHD	5.54	0.02
tblVehicleEF	HHD	25.32	7.94
tblVehicleEF	HHD	2.46	2.69
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	4.1666e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	6.4958e-007
tblVehicleEF	HHD	0.01	3.9863e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8156e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	5.9726e-007
tblVehicleEF	HHD	8.5000e-005	3.6500e-006
tblVehicleEF	HHD	3.4760e-003	1.2278e-004
tblVehicleEF	HHD	0.91	0.54
tblVehicleEF	HHD	5.2000e-005	1.9359e-006
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	2.3300e-004	5.4640e-004
tblVehicleEF	HHD	0.05	7.9748e-007
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	2.1697e-007
tblVehicleEF	HHD	8.5000e-005	3.6500e-006
tblVehicleEF	HHD	3.4760e-003	1.2278e-004
tblVehicleEF	HHD	1.05	0.62
tblVehicleEF	HHD	5.2000e-005	1.9359e-006
tblVehicleEF	HHD	0.13	0.06
tblVehicleEF	HHD	2.3300e-004	5.4640e-004
tblVehicleEF	HHD	0.06	8.7313e-007
tblVehicleEF	LDA	4.2030e-003	2.4361e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.65
tblVehicleEF	LDA	1.19	2.16
tblVehicleEF	LDA	251.29	261.47
tblVehicleEF	LDA	57.15	53.86
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.19

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.4473e-003
tblVehicleEF	LDA	2.2790e-003	1.8579e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.3331e-003
tblVehicleEF	LDA	2.0960e-003	1.7083e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3316e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.5170e-003	2.5867e-003
tblVehicleEF	LDA	5.9200e-004	5.3300e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	4.7900e-003	2.7935e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.79
tblVehicleEF	LDA	0.99	1.79
tblVehicleEF	LDA	274.94	285.54

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	57.15	53.16
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.4473e-003
tblVehicleEF	LDA	2.2790e-003	1.8579e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.3331e-003
tblVehicleEF	LDA	2.0960e-003	1.7083e-003
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8249e-003
tblVehicleEF	LDA	5.8800e-004	5.2609e-004
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.3763e-003
tblVehicleEF	LDA	5.5870e-003	0.05

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	0.54	0.61
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	255.84
tblVehicleEF	LDA	57.15	53.80
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.4473e-003
tblVehicleEF	LDA	2.2790e-003	1.8579e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.3331e-003
tblVehicleEF	LDA	2.0960e-003	1.7083e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.0876e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.4600e-003	2.5309e-003
tblVehicleEF	LDA	5.9100e-004	5.3240e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.01	7.0607e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.44
tblVehicleEF	LDT1	3.61	2.44
tblVehicleEF	LDT1	313.68	310.02
tblVehicleEF	LDT1	70.93	65.50
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.1936e-003
tblVehicleEF	LDT1	3.6920e-003	2.8519e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.0186e-003
tblVehicleEF	LDT1	3.3960e-003	2.6224e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.26	0.43
tblVehicleEF	LDT1	3.1570e-003	3.0678e-003
tblVehicleEF	LDT1	7.7300e-004	6.4817e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	0.02	8.0102e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.74
tblVehicleEF	LDT1	2.97	2.02
tblVehicleEF	LDT1	341.75	335.16
tblVehicleEF	LDT1	70.93	64.59
tblVehicleEF	LDT1	0.14	0.12
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.1936e-003
tblVehicleEF	LDT1	3.6920e-003	2.8519e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.0186e-003
tblVehicleEF	LDT1	3.3960e-003	2.6224e-003
tblVehicleEF	LDT1	0.37	0.40
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.27	0.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3166e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	7.6200e-004	6.3920e-004
tblVehicleEF	LDT1	0.37	0.40
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.27	0.29
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	6.8963e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.37
tblVehicleEF	LDT1	3.55	2.40
tblVehicleEF	LDT1	307.06	304.06
tblVehicleEF	LDT1	70.93	65.42
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.1936e-003
tblVehicleEF	LDT1	3.6920e-003	2.8519e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.0186e-003
tblVehicleEF	LDT1	3.3960e-003	2.6224e-003
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	0.23	1.03
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0089e-003
tblVehicleEF	LDT1	7.7200e-004	6.4740e-004
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.23	1.03
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.2796e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	0.97
tblVehicleEF	LDT2	1.67	2.78
tblVehicleEF	LDT2	351.15	331.49
tblVehicleEF	LDT2	79.39	70.30
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.31
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.5179e-003
tblVehicleEF	LDT2	2.4170e-003	1.9477e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.3970e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.06	0.10

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	3.5180e-003	3.2796e-003
tblVehicleEF	LDT2	8.2200e-004	6.9566e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	7.1840e-003	4.8872e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.18
tblVehicleEF	LDT2	1.38	2.30
tblVehicleEF	LDT2	383.36	355.94
tblVehicleEF	LDT2	79.39	69.35
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.29
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.5179e-003
tblVehicleEF	LDT2	2.4170e-003	1.9477e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	1.5880e-003	1.3970e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.13	0.21
tblVehicleEF	LDT2	0.15	0.18
tblVehicleEF	LDT2	0.11	0.18
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5215e-003
tblVehicleEF	LDT2	8.1700e-004	6.8626e-004
tblVehicleEF	LDT2	0.13	0.21
tblVehicleEF	LDT2	0.15	0.18
tblVehicleEF	LDT2	0.11	0.18
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	6.1560e-003	4.1770e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.92
tblVehicleEF	LDT2	1.64	2.74
tblVehicleEF	LDT2	343.55	325.69
tblVehicleEF	LDT2	79.39	70.22
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.14	0.31
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.5179e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	2.4170e-003	1.9477e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.3970e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	3.4410e-003	3.2222e-003
tblVehicleEF	LDT2	8.2200e-004	6.9487e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LHD1	5.2170e-003	4.8635e-003
tblVehicleEF	LHD1	0.01	6.5089e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.35
tblVehicleEF	LHD1	609.20	648.62

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	30.40	10.79
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.54
tblVehicleEF	LHD1	0.99	0.31
tblVehicleEF	LHD1	9.6500e-004	9.5292e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9683e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6298e-004
tblVehicleEF	LHD1	9.2400e-004	9.1170e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4921e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4180e-004
tblVehicleEF	LHD1	3.7070e-003	3.1746e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0460e-005
tblVehicleEF	LHD1	5.9760e-003	6.3133e-003
tblVehicleEF	LHD1	3.5300e-004	1.0677e-004
tblVehicleEF	LHD1	3.7070e-003	3.1746e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	1.8240e-003	1.5420e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	4.8791e-003
tblVehicleEF	LHD1	0.01	6.6670e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	1.09	0.90
tblVehicleEF	LHD1	2.43	0.97
tblVehicleEF	LHD1	9.23	9.35
tblVehicleEF	LHD1	609.20	648.66
tblVehicleEF	LHD1	30.40	10.67
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.98	1.44
tblVehicleEF	LHD1	0.94	0.29
tblVehicleEF	LHD1	9.6500e-004	9.5292e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9683e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6298e-004
tblVehicleEF	LHD1	9.2400e-004	9.1170e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4921e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4180e-004
tblVehicleEF	LHD1	7.3080e-003	6.2984e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.5374e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.60
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0460e-005
tblVehicleEF	LHD1	5.9770e-003	6.3136e-003
tblVehicleEF	LHD1	3.5000e-004	1.0561e-004
tblVehicleEF	LHD1	7.3080e-003	6.2984e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.5374e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.60
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	4.8667e-003
tblVehicleEF	LHD1	0.01	6.5251e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	1.07	0.89
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.35
tblVehicleEF	LHD1	609.20	648.63
tblVehicleEF	LHD1	30.40	10.76
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.08	1.51

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.97	0.30
tblVehicleEF	LHD1	9.6500e-004	9.5292e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9683e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6298e-004
tblVehicleEF	LHD1	9.2400e-004	9.1170e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4921e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4180e-004
tblVehicleEF	LHD1	4.0430e-003	3.5092e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.5203e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.38	0.64
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0460e-005
tblVehicleEF	LHD1	5.9760e-003	6.3133e-003
tblVehicleEF	LHD1	3.5200e-004	1.0649e-004
tblVehicleEF	LHD1	4.0430e-003	3.5092e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.5203e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.64

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.3088e-003
tblVehicleEF	LHD2	4.6110e-003	4.1579e-003
tblVehicleEF	LHD2	8.1370e-003	9.5081e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.20	0.61
tblVehicleEF	LHD2	14.27	14.55
tblVehicleEF	LHD2	608.52	648.96
tblVehicleEF	LHD2	24.46	7.78
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.49	1.65
tblVehicleEF	LHD2	0.53	0.20
tblVehicleEF	LHD2	1.2830e-003	1.4035e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2635e-004
tblVehicleEF	LHD2	1.2280e-003	1.3428e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1617e-004
tblVehicleEF	LHD2	1.3070e-003	1.5577e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	8.0032e-004

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3909e-004
tblVehicleEF	LHD2	5.9200e-003	6.2607e-003
tblVehicleEF	LHD2	2.6700e-004	7.6988e-005
tblVehicleEF	LHD2	1.3070e-003	1.5577e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	8.0032e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.5950e-003	3.3190e-003
tblVehicleEF	LHD2	4.6760e-003	4.2028e-003
tblVehicleEF	LHD2	7.7630e-003	9.0808e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.13	0.57
tblVehicleEF	LHD2	14.27	14.55
tblVehicleEF	LHD2	608.52	648.97
tblVehicleEF	LHD2	24.46	7.71
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.40	1.55
tblVehicleEF	LHD2	0.50	0.19
tblVehicleEF	LHD2	1.2830e-003	1.4035e-003
tblVehicleEF	LHD2	0.09	0.09

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2635e-004
tblVehicleEF	LHD2	1.2280e-003	1.3428e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1617e-004
tblVehicleEF	LHD2	2.5220e-003	3.0277e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7647e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.3900e-004	1.3909e-004
tblVehicleEF	LHD2	5.9200e-003	6.2608e-003
tblVehicleEF	LHD2	2.6500e-004	7.6329e-005
tblVehicleEF	LHD2	2.5220e-003	3.0277e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7647e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.3107e-003
tblVehicleEF	LHD2	4.6180e-003	4.1632e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	8.0640e-003	9.4269e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.19	0.60
tblVehicleEF	LHD2	14.27	14.55
tblVehicleEF	LHD2	608.52	648.96
tblVehicleEF	LHD2	24.46	7.77
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.46	1.62
tblVehicleEF	LHD2	0.52	0.20
tblVehicleEF	LHD2	1.2830e-003	1.4035e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2635e-004
tblVehicleEF	LHD2	1.2280e-003	1.3428e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1617e-004
tblVehicleEF	LHD2	1.3460e-003	1.6404e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	7.8060e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.11	0.05

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	1.3900e-004	1.3909e-004
tblVehicleEF	LHD2	5.9200e-003	6.2608e-003
tblVehicleEF	LHD2	2.6600e-004	7.6845e-005
tblVehicleEF	LHD2	1.3460e-003	1.6404e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	7.8060e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.43	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	20.55	20.74
tblVehicleEF	MCY	9.93	8.78
tblVehicleEF	MCY	167.73	210.98
tblVehicleEF	MCY	46.45	61.55
tblVehicleEF	MCY	1.16	1.17
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.8278e-003
tblVehicleEF	MCY	3.6730e-003	3.0522e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.7420e-003	1.7113e-003
tblVehicleEF	MCY	3.4650e-003	2.8769e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.84	0.84

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.23	2.23
tblVehicleEF	MCY	0.49	2.04
tblVehicleEF	MCY	2.16	1.90
tblVehicleEF	MCY	2.0770e-003	2.0879e-003
tblVehicleEF	MCY	6.9000e-004	6.0913e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.74	2.74
tblVehicleEF	MCY	0.49	2.04
tblVehicleEF	MCY	2.35	2.07
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	20.68	20.87
tblVehicleEF	MCY	9.05	7.97
tblVehicleEF	MCY	167.73	210.98
tblVehicleEF	MCY	46.45	59.35
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.8278e-003
tblVehicleEF	MCY	3.6730e-003	3.0522e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.7420e-003	1.7113e-003
tblVehicleEF	MCY	3.4650e-003	2.8769e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	3.14	3.14
tblVehicleEF	MCY	1.27	1.28
tblVehicleEF	MCY	2.13	2.12
tblVehicleEF	MCY	2.17	2.17
tblVehicleEF	MCY	0.49	2.03
tblVehicleEF	MCY	1.86	1.63
tblVehicleEF	MCY	2.0770e-003	2.0879e-003
tblVehicleEF	MCY	6.6700e-004	5.8727e-004
tblVehicleEF	MCY	3.14	3.14
tblVehicleEF	MCY	1.27	1.28
tblVehicleEF	MCY	2.13	2.12
tblVehicleEF	MCY	2.67	2.67
tblVehicleEF	MCY	0.49	2.03
tblVehicleEF	MCY	2.02	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	19.79
tblVehicleEF	MCY	9.55	8.43
tblVehicleEF	MCY	167.73	209.35
tblVehicleEF	MCY	46.45	60.75
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.8278e-003
tblVehicleEF	MCY	3.6730e-003	3.0522e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	1.7420e-003	1.7113e-003
tblVehicleEF	MCY	3.4650e-003	2.8769e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.19	2.20
tblVehicleEF	MCY	0.56	2.32
tblVehicleEF	MCY	2.08	1.83
tblVehicleEF	MCY	2.0610e-003	2.0717e-003
tblVehicleEF	MCY	6.8200e-004	6.0122e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.69	2.69
tblVehicleEF	MCY	0.56	2.32
tblVehicleEF	MCY	2.27	1.99
tblVehicleEF	MDV	0.01	5.5556e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.33
tblVehicleEF	MDV	483.94	412.02
tblVehicleEF	MDV	107.92	87.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6293e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	2.5170e-003	2.0561e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5030e-003
tblVehicleEF	MDV	2.3150e-003	1.8909e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.25	0.45
tblVehicleEF	MDV	4.8500e-003	4.0736e-003
tblVehicleEF	MDV	1.1370e-003	8.6140e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	0.01	6.3576e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.38
tblVehicleEF	MDV	2.69	2.75
tblVehicleEF	MDV	526.85	437.99
tblVehicleEF	MDV	107.92	85.88
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.30	0.36

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6293e-003
tblVehicleEF	MDV	2.5170e-003	2.0561e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5030e-003
tblVehicleEF	MDV	2.3150e-003	1.8909e-003
tblVehicleEF	MDV	0.20	0.24
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.17	0.21
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3306e-003
tblVehicleEF	MDV	1.1260e-003	8.4981e-004
tblVehicleEF	MDV	0.20	0.24
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.17	0.21
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	0.01	5.4097e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.08
tblVehicleEF	MDV	3.20	3.28
tblVehicleEF	MDV	473.93	405.86

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	107.92	86.95
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6293e-003
tblVehicleEF	MDV	2.5170e-003	2.0561e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5030e-003
tblVehicleEF	MDV	2.3150e-003	1.8909e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.60
tblVehicleEF	MDV	0.25	0.45
tblVehicleEF	MDV	4.7490e-003	4.0127e-003
tblVehicleEF	MDV	1.1360e-003	8.6043e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.60
tblVehicleEF	MDV	0.27	0.49
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	3.07	0.36
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	951.23
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.54
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	8.9926e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.36
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	951.23
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.26
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	8.9926e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.36
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	951.23
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.46
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	8.9926e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	3.1744e-003
tblVehicleEF	MHD	3.5160e-003	3.4883e-003
tblVehicleEF	MHD	0.05	8.5118e-003
tblVehicleEF	MHD	0.32	0.34
tblVehicleEF	MHD	0.27	0.35
tblVehicleEF	MHD	5.32	0.97
tblVehicleEF	MHD	156.91	69.07
tblVehicleEF	MHD	1,101.52	999.60
tblVehicleEF	MHD	52.43	8.24
tblVehicleEF	MHD	0.60	0.51
tblVehicleEF	MHD	0.99	1.54
tblVehicleEF	MHD	11.88	1.42
tblVehicleEF	MHD	3.8600e-004	1.1814e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	9.9655e-005
tblVehicleEF	MHD	3.6900e-004	1.1303e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.1629e-005
tblVehicleEF	MHD	1.2800e-003	5.9283e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.9990e-004
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.5080e-003	6.5515e-004
tblVehicleEF	MHD	0.01	9.5251e-003
tblVehicleEF	MHD	6.1700e-004	8.1573e-005
tblVehicleEF	MHD	1.2800e-003	5.9283e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.9990e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	3.0169e-003
tblVehicleEF	MHD	3.5800e-003	3.5292e-003
tblVehicleEF	MHD	0.05	8.1178e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.28	0.36
tblVehicleEF	MHD	4.97	0.91
tblVehicleEF	MHD	166.20	69.79
tblVehicleEF	MHD	1,101.52	999.60

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	52.43	8.13
tblVehicleEF	MHD	0.62	0.51
tblVehicleEF	MHD	0.92	1.44
tblVehicleEF	MHD	11.85	1.41
tblVehicleEF	MHD	3.2500e-004	9.9865e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	9.9655e-005
tblVehicleEF	MHD	3.1100e-004	9.5545e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.1629e-005
tblVehicleEF	MHD	2.5300e-003	1.1737e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	6.9414e-004
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.30	0.04
tblVehicleEF	MHD	1.5950e-003	6.6201e-004
tblVehicleEF	MHD	0.01	9.5252e-003
tblVehicleEF	MHD	6.1100e-004	8.0502e-005
tblVehicleEF	MHD	2.5300e-003	1.1737e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	1.5010e-003	6.9414e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.33	0.05
tblVehicleEF	MHD	0.02	3.4065e-003
tblVehicleEF	MHD	3.5220e-003	3.4913e-003
tblVehicleEF	MHD	0.05	8.4146e-003
tblVehicleEF	MHD	0.45	0.41
tblVehicleEF	MHD	0.27	0.35
tblVehicleEF	MHD	5.23	0.96
tblVehicleEF	MHD	144.06	68.08
tblVehicleEF	MHD	1,101.52	999.60
tblVehicleEF	MHD	52.43	8.22
tblVehicleEF	MHD	0.57	0.51
tblVehicleEF	MHD	0.97	1.51
tblVehicleEF	MHD	11.87	1.42
tblVehicleEF	MHD	4.7000e-004	1.4337e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	9.9655e-005
tblVehicleEF	MHD	4.4900e-004	1.3717e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.1629e-005
tblVehicleEF	MHD	1.3890e-003	6.4564e-004

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.9482e-004
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.3860e-003	6.4563e-004
tblVehicleEF	MHD	0.01	9.5251e-003
tblVehicleEF	MHD	6.1600e-004	8.1312e-005
tblVehicleEF	MHD	1.3890e-003	6.4564e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.9482e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	OBUS	0.01	9.1482e-003
tblVehicleEF	OBUS	9.9110e-003	8.5444e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.48
tblVehicleEF	OBUS	0.63	0.98
tblVehicleEF	OBUS	6.27	2.73
tblVehicleEF	OBUS	70.35	66.56
tblVehicleEF	OBUS	1,121.50	1,475.42
tblVehicleEF	OBUS	70.70	21.88
tblVehicleEF	OBUS	0.28	0.29
tblVehicleEF	OBUS	0.97	1.13

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	1.93	0.61
tblVehicleEF	OBUS	6.4000e-005	5.0004e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3022e-004
tblVehicleEF	OBUS	6.1000e-005	4.7841e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1168e-004
tblVehicleEF	OBUS	2.1800e-003	2.7868e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1432e-003
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	6.8400e-004	6.3587e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.1653e-004
tblVehicleEF	OBUS	2.1800e-003	2.7868e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1432e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.31

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.2023e-003
tblVehicleEF	OBUS	0.01	8.7764e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.65	1.01
tblVehicleEF	OBUS	5.74	2.51
tblVehicleEF	OBUS	73.50	66.43
tblVehicleEF	OBUS	1,121.50	1,475.46
tblVehicleEF	OBUS	70.70	21.50
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	0.90	1.04
tblVehicleEF	OBUS	1.88	0.60
tblVehicleEF	OBUS	5.4000e-005	4.2493e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3022e-004
tblVehicleEF	OBUS	5.1000e-005	4.0655e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1168e-004
tblVehicleEF	OBUS	4.2350e-003	5.4314e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.6364e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.1400e-004	6.3458e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.1273e-004
tblVehicleEF	OBUS	4.2350e-003	5.4314e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.6364e-003
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	OBUS	0.01	9.1126e-003
tblVehicleEF	OBUS	9.9380e-003	8.5701e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.49
tblVehicleEF	OBUS	0.63	0.99
tblVehicleEF	OBUS	6.22	2.71
tblVehicleEF	OBUS	66.00	66.75
tblVehicleEF	OBUS	1,121.50	1,475.42
tblVehicleEF	OBUS	70.70	21.85
tblVehicleEF	OBUS	0.27	0.30
tblVehicleEF	OBUS	0.96	1.11
tblVehicleEF	OBUS	1.91	0.61
tblVehicleEF	OBUS	7.7000e-005	6.0376e-004
tblVehicleEF	OBUS	0.13	0.13

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3022e-004
tblVehicleEF	OBUS	7.4000e-005	5.7764e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1168e-004
tblVehicleEF	OBUS	2.3200e-003	3.0071e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1537e-003
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	6.4200e-004	6.3764e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.1619e-004
tblVehicleEF	OBUS	2.3200e-003	3.0071e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	9.4100e-004	1.1537e-003
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	SBUS	0.84	0.04
tblVehicleEF	SBUS	0.01	6.8547e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.07	4.0772e-003
tblVehicleEF	SBUS	5.71	1.90
tblVehicleEF	SBUS	0.65	0.58
tblVehicleEF	SBUS	5.33	0.55
tblVehicleEF	SBUS	1,258.13	336.22
tblVehicleEF	SBUS	1,136.31	1,128.72
tblVehicleEF	SBUS	37.11	3.21
tblVehicleEF	SBUS	11.70	3.35
tblVehicleEF	SBUS	4.77	5.07
tblVehicleEF	SBUS	15.02	0.95
tblVehicleEF	SBUS	0.01	4.0347e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	2.9951e-005
tblVehicleEF	SBUS	0.01	3.8601e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7657e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	2.7538e-005
tblVehicleEF	SBUS	2.9260e-003	7.3837e-004
tblVehicleEF	SBUS	0.02	5.5395e-003
tblVehicleEF	SBUS	0.68	0.20
tblVehicleEF	SBUS	1.3050e-003	3.4812e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	9.3510e-003	0.04
tblVehicleEF	SBUS	0.27	0.02

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.01	3.1957e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	3.1783e-005
tblVehicleEF	SBUS	2.9260e-003	7.3837e-004
tblVehicleEF	SBUS	0.02	5.5395e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.3050e-003	3.4812e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	9.3510e-003	0.04
tblVehicleEF	SBUS	0.30	0.03
tblVehicleEF	SBUS	0.84	0.04
tblVehicleEF	SBUS	0.01	6.9393e-003
tblVehicleEF	SBUS	0.06	3.3785e-003
tblVehicleEF	SBUS	5.56	1.86
tblVehicleEF	SBUS	0.66	0.59
tblVehicleEF	SBUS	3.65	0.39
tblVehicleEF	SBUS	1,322.00	344.13
tblVehicleEF	SBUS	1,136.31	1,128.74
tblVehicleEF	SBUS	37.11	2.94
tblVehicleEF	SBUS	12.08	3.42
tblVehicleEF	SBUS	4.47	4.75
tblVehicleEF	SBUS	14.99	0.95
tblVehicleEF	SBUS	0.01	3.4093e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	2.9951e-005

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	9.6490e-003	3.2619e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7657e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	2.7538e-005
tblVehicleEF	SBUS	5.6170e-003	1.3276e-003
tblVehicleEF	SBUS	0.02	5.8525e-003
tblVehicleEF	SBUS	0.67	0.20
tblVehicleEF	SBUS	2.8800e-003	6.7376e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.5310e-003	0.03
tblVehicleEF	SBUS	0.22	0.02
tblVehicleEF	SBUS	0.01	3.2705e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	2.9141e-005
tblVehicleEF	SBUS	5.6170e-003	1.3276e-003
tblVehicleEF	SBUS	0.02	5.8525e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	2.8800e-003	6.7376e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	8.5310e-003	0.03
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.84	0.04
tblVehicleEF	SBUS	0.01	6.8505e-003
tblVehicleEF	SBUS	0.07	4.1761e-003
tblVehicleEF	SBUS	5.91	1.95
tblVehicleEF	SBUS	0.65	0.58

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	5.37	0.57
tblVehicleEF	SBUS	1,169.92	325.30
tblVehicleEF	SBUS	1,136.31	1,128.72
tblVehicleEF	SBUS	37.11	3.24
tblVehicleEF	SBUS	11.19	3.26
tblVehicleEF	SBUS	4.69	4.99
tblVehicleEF	SBUS	15.02	0.95
tblVehicleEF	SBUS	0.01	4.8982e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	2.9951e-005
tblVehicleEF	SBUS	0.01	4.6863e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7657e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	2.7538e-005
tblVehicleEF	SBUS	2.9580e-003	7.2630e-004
tblVehicleEF	SBUS	0.02	5.8802e-003
tblVehicleEF	SBUS	0.68	0.20
tblVehicleEF	SBUS	1.2820e-003	3.5327e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.0925e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	3.2075e-005

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	2.9580e-003	7.2630e-004
tblVehicleEF	SBUS	0.02	5.8802e-003
tblVehicleEF	SBUS	0.98	0.28
tblVehicleEF	SBUS	1.2820e-003	3.5327e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	UBUS	1.83	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.26	32.67
tblVehicleEF	UBUS	14.34	1.43
tblVehicleEF	UBUS	1,846.39	1,724.94
tblVehicleEF	UBUS	136.37	16.90
tblVehicleEF	UBUS	5.87	0.37
tblVehicleEF	UBUS	13.57	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6830e-003
tblVehicleEF	UBUS	1.4030e-003	1.8942e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3128e-003
tblVehicleEF	UBUS	0.06	2.5514e-003
tblVehicleEF	UBUS	1.2900e-003	1.7416e-004
tblVehicleEF	UBUS	8.0860e-003	1.5317e-003
tblVehicleEF	UBUS	0.11	8.4711e-003
tblVehicleEF	UBUS	3.9450e-003	6.5234e-004
tblVehicleEF	UBUS	0.61	0.06

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.06
tblVehicleEF	UBUS	0.01	3.8821e-003
tblVehicleEF	UBUS	1.6240e-003	1.6724e-004
tblVehicleEF	UBUS	8.0860e-003	1.5317e-003
tblVehicleEF	UBUS	0.11	8.4711e-003
tblVehicleEF	UBUS	3.9450e-003	6.5234e-004
tblVehicleEF	UBUS	2.50	4.28
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.07
tblVehicleEF	UBUS	1.83	4.19
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.36	32.67
tblVehicleEF	UBUS	11.74	1.17
tblVehicleEF	UBUS	1,846.39	1,724.94
tblVehicleEF	UBUS	136.37	16.47
tblVehicleEF	UBUS	5.45	0.37
tblVehicleEF	UBUS	13.45	0.16
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6830e-003
tblVehicleEF	UBUS	1.4030e-003	1.8942e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3128e-003
tblVehicleEF	UBUS	0.06	2.5514e-003
tblVehicleEF	UBUS	1.2900e-003	1.7416e-004
tblVehicleEF	UBUS	0.02	2.9018e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4773e-003
tblVehicleEF	UBUS	0.62	0.06
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.06
tblVehicleEF	UBUS	0.01	3.8821e-003
tblVehicleEF	UBUS	1.5790e-003	1.6303e-004
tblVehicleEF	UBUS	0.02	2.9018e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4773e-003
tblVehicleEF	UBUS	2.52	4.28
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.06
tblVehicleEF	UBUS	1.83	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.27	32.67
tblVehicleEF	UBUS	13.86	1.39
tblVehicleEF	UBUS	1,846.39	1,724.94
tblVehicleEF	UBUS	136.37	16.85
tblVehicleEF	UBUS	5.76	0.37
tblVehicleEF	UBUS	13.55	0.16
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6830e-003
tblVehicleEF	UBUS	1.4030e-003	1.8942e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3128e-003

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.06	2.5514e-003
tblVehicleEF	UBUS	1.2900e-003	1.7416e-004
tblVehicleEF	UBUS	9.2250e-003	1.6222e-003
tblVehicleEF	UBUS	0.14	9.7128e-003
tblVehicleEF	UBUS	4.1190e-003	6.4835e-004
tblVehicleEF	UBUS	0.61	0.06
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.06
tblVehicleEF	UBUS	0.01	3.8821e-003
tblVehicleEF	UBUS	1.6160e-003	1.6670e-004
tblVehicleEF	UBUS	9.2250e-003	1.6222e-003
tblVehicleEF	UBUS	0.14	9.7128e-003
tblVehicleEF	UBUS	4.1190e-003	6.4835e-004
tblVehicleEF	UBUS	2.50	4.28
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.07
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	14.00
tblVehicleTrips	CW_TL	16.60	14.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	1.44
tblVehicleTrips	ST_TR	1.68	1.18
tblVehicleTrips	SU_TR	1.68	1.44
tblVehicleTrips	SU_TR	1.68	1.18
tblVehicleTrips	WD_TR	1.68	1.44
tblVehicleTrips	WD_TR	1.68	1.18
tblWater	IndoorWaterUseRate	51,728,312.50	0.00
tblWater	IndoorWaterUseRate	206,915,562.50	34,675,000.00

2.0 Emissions Summary

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6371	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Energy	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	4,266.5639	4,266.5639	0.1603	0.0434	4,283.5182
Mobile	0.6066	0.6229	7.6070	0.0231	2.6165	0.0128	2.6293	0.6946	0.0118	0.7064	0.0000	2,117.4807	2,117.4807	0.0552	0.0000	2,118.8617
Offroad	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113
Waste						0.0000	0.0000		0.0000	0.0000	213.4146	0.0000	213.4146	12.6124	0.0000	528.7255
Water						0.0000	0.0000		0.0000	0.0000	11.0008	143.8586	154.8594	1.1358	0.0279	191.5715
Total	5.4050	2.2051	8.7382	0.0293	2.6165	0.0947	2.7112	0.6946	0.0911	0.7857	224.4153	6,731.1221	6,955.5375	14.0297	0.0714	7,327.5419

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6371	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Energy	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	4,266.5639	4,266.5639	0.1603	0.0434	4,283.5182
Mobile	0.6066	0.6229	7.6070	0.0231	2.6165	0.0128	2.6293	0.6946	0.0118	0.7064	0.0000	2,117.4807	2,117.4807	0.0552	0.0000	2,118.8617
Offroad	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113
Waste						0.0000	0.0000		0.0000	0.0000	213.4146	0.0000	213.4146	12.6124	0.0000	528.7255
Water						0.0000	0.0000		0.0000	0.0000	11.0008	143.8586	154.8594	1.1358	0.0279	191.5715
Total	5.4050	2.2051	8.7382	0.0293	2.6165	0.0947	2.7112	0.6946	0.0911	0.7857	224.4153	6,731.1221	6,955.5375	14.0297	0.0714	7,327.5419

	ROG	NOx	CO	SO2	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	4/1/2020	4/1/2020	5	1	

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 21.82

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	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	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	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

3.2 Demolition - 2020

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	0.0000	0.0000	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 Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	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	0.0000

4.0 Operational Detail - Mobile

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

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	0.6066	0.6229	7.6070	0.0231	2.6165	0.0128	2.6293	0.6946	0.0118	0.7064	0.0000	2,117.4807	2,117.4807	0.0552	0.0000	2,118.8617
Unmitigated	0.6066	0.6229	7.6070	0.0231	2.6165	0.0128	2.6293	0.6946	0.0118	0.7064	0.0000	2,117.4807	2,117.4807	0.0552	0.0000	2,118.8617

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	322.11	322.11	322.11	1,641,491	1,641,491
Unrefrigerated Warehouse-No Rail	1,055.83	1,055.83	1,055.83	5,380,503	5,380,503
Total	1,377.94	1,377.94	1,377.94	7,021,993	7,021,993

4.3 Trip Type Information

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

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 Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	14.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	14.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Parking Lot	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.624181	0.041086	0.203450	0.131283	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.624181	0.041086	0.203450	0.131283	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	3,551.7730	3,551.7730	0.1466	0.0303	3,564.4795
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,551.7730	3,551.7730	0.1466	0.0303	3,564.4795
NaturalGas Mitigated	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386
NaturalGas Unmitigated	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386

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 Non-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
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	0.0000
Refrigerated Warehouse-No Rail	1.15783e+007	0.0624	0.5676	0.4768	3.4100e-003		0.0431	0.0431		0.0431	0.0431	0.0000	617.8621	617.8621	0.0118	0.0113	621.5337
Unrefrigerated Warehouse-No Rail	1.81638e+006	9.7900e-003	0.0890	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003	0.0000	96.9289	96.9289	1.8600e-003	1.7800e-003	97.5049
Total		0.0722	0.6566	0.5515	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-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
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	0.0000
Refrigerated Warehouse-No Rail	1.15783e+007	0.0624	0.5676	0.4768	3.4100e-003		0.0431	0.0431		0.0431	0.0431	0.0000	617.8621	617.8621	0.0118	0.0113	621.5337
Unrefrigerated Warehouse-No Rail	1.81638e+006	9.7900e-003	0.0890	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003	0.0000	96.9289	96.9289	1.8600e-003	1.7800e-003	97.5049
Total		0.0722	0.6566	0.5515	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	269172	85.7639	3.5400e-003	7.3000e-004	86.0707
Refrigerated Warehouse-No Rail	8.86491e+006	2,824.5515	0.1166	0.0241	2,834.6564
Unrefrigerated Warehouse-No Rail	2.01323e+006	641.4576	0.0265	5.4800e-003	643.7524
Total		3,551.7730	0.1466	0.0303	3,564.4795

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	269172	85.7639	3.5400e-003	7.3000e-004	86.0707
Refrigerated Warehouse-No Rail	8.86491e+006	2,824.5515	0.1166	0.0241	2,834.6564
Unrefrigerated Warehouse-No Rail	2.01323e+006	641.4576	0.0265	5.4800e-003	643.7524
Total		3,551.7730	0.1466	0.0303	3,564.4795

6.0 Area Detail

6.1 Mitigation Measures Area

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	4.6371	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Unmitigated	4.6371	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537

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	tons/yr										MT/yr					
Architectural Coating	0.5316					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Total	4.6371	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5316					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Total	4.6371	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537

7.0 Water Detail

7.1 Mitigation Measures Water

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	154.8594	1.1358	0.0279	191.5715
Unmitigated	154.8594	1.1358	0.0279	191.5715

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.675 / 0	154.8594	1.1358	0.0279	191.5715
Total		154.8594	1.1358	0.0279	191.5715

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.675 / 0	154.8594	1.1358	0.0279	191.5715
Total		154.8594	1.1358	0.0279	191.5715

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	213.4146	12.6124	0.0000	528.7255
Unmitigated	213.4146	12.6124	0.0000	528.7255

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	210.27	42.6829	2.5225	0.0000	105.7451
Unrefrigerated Warehouse-No Rail	841.08	170.7316	10.0900	0.0000	422.9804
Total		213.4146	12.6124	0.0000	528.7255

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	210.27	42.6829	2.5225	0.0000	105.7451
Unrefrigerated Warehouse-No Rail	841.08	170.7316	10.0900	0.0000	422.9804
Total		213.4146	12.6124	0.0000	528.7255

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	4	4.00	365	200	0.37	CNG

Goodman Industrial Park (Operations - Passenger Cars) - San Bernardino-South Coast County, Annual

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113
Total	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113

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

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

Goodman Industrial Park (Operations - Trucks)
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	223.69	1000sqft	5.14	223,692.00	0
Unrefrigerated Warehouse-No Rail	894.77	1000sqft	20.54	894,768.00	0
Other Non-Asphalt Surfaces	181.79	1000sqft	4.17	181,790.00	0
Parking Lot	729.00	Space	17.65	769,062.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	559230	564230
tblAreaCoating	Area_Nonresidential_Interior	1677690	1692690
tblConstructionPhase	NumDays	50.00	1.00
tblEnergyUse	T24E	1.06	0.74

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblEnergyUse	T24E	0.37	0.26
tblFleetMix	HHD	0.06	0.54
tblFleetMix	HHD	0.06	0.63
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.35
tblFleetMix	LHD1	0.02	0.17
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblLandUse	LandUseSquareFeet	223,690.00	223,692.00
tblLandUse	LandUseSquareFeet	894,770.00	894,768.00
tblLandUse	LandUseSquareFeet	291,600.00	769,062.00
tblLandUse	LotAcreage	6.56	17.65
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblSolidWaste	SolidWasteGenerationRate	210.27	219.67
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.10	1.5530e-007
tblVehicleEF	HHD	3.29	8.22
tblVehicleEF	HHD	0.57	0.40
tblVehicleEF	HHD	1.82	2.2603e-003
tblVehicleEF	HHD	6,933.41	1,478.27
tblVehicleEF	HHD	1,475.79	1,372.23
tblVehicleEF	HHD	5.54	0.02
tblVehicleEF	HHD	26.50	7.64
tblVehicleEF	HHD	2.50	2.77
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.7639e-003
tblVehicleEF	HHD	0.06	0.06

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	6.4958e-007
tblVehicleEF	HHD	9.3550e-003	3.6010e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.9166e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	5.9726e-007
tblVehicleEF	HHD	8.5000e-005	3.3443e-006
tblVehicleEF	HHD	3.1910e-003	1.0400e-004
tblVehicleEF	HHD	0.84	0.59
tblVehicleEF	HHD	5.2000e-005	1.9037e-006
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	2.1700e-004	5.2224e-004
tblVehicleEF	HHD	0.05	8.0550e-007
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	2.1742e-007
tblVehicleEF	HHD	8.5000e-005	3.3443e-006
tblVehicleEF	HHD	3.1910e-003	1.0400e-004
tblVehicleEF	HHD	0.97	0.67
tblVehicleEF	HHD	5.2000e-005	1.9037e-006
tblVehicleEF	HHD	0.13	0.12
tblVehicleEF	HHD	2.1700e-004	5.2224e-004
tblVehicleEF	HHD	0.06	8.8192e-007
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.06

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.09	1.4704e-007
tblVehicleEF	HHD	2.39	8.07
tblVehicleEF	HHD	0.57	0.40
tblVehicleEF	HHD	1.70	2.1215e-003
tblVehicleEF	HHD	7,345.18	1,469.16
tblVehicleEF	HHD	1,475.79	1,372.23
tblVehicleEF	HHD	5.54	0.02
tblVehicleEF	HHD	27.35	7.37
tblVehicleEF	HHD	2.36	2.60
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.3443e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	6.4958e-007
tblVehicleEF	HHD	7.9170e-003	3.1996e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.9166e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	5.9726e-007
tblVehicleEF	HHD	1.6800e-004	7.0222e-006
tblVehicleEF	HHD	3.5970e-003	1.2227e-004
tblVehicleEF	HHD	0.79	0.62
tblVehicleEF	HHD	1.1700e-004	4.8038e-006
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	2.2100e-004	5.3874e-004
tblVehicleEF	HHD	0.05	7.6535e-007

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	2.1524e-007
tblVehicleEF	HHD	1.6800e-004	7.0222e-006
tblVehicleEF	HHD	3.5970e-003	1.2227e-004
tblVehicleEF	HHD	0.91	0.71
tblVehicleEF	HHD	1.1700e-004	4.8038e-006
tblVehicleEF	HHD	0.13	0.12
tblVehicleEF	HHD	2.2100e-004	5.3874e-004
tblVehicleEF	HHD	0.06	8.3796e-007
tblVehicleEF	HHD	1.31	0.03
tblVehicleEF	HHD	0.04	2.3610e-003
tblVehicleEF	HHD	0.10	1.5369e-007
tblVehicleEF	HHD	4.53	8.37
tblVehicleEF	HHD	0.57	0.25
tblVehicleEF	HHD	1.79	2.2317e-003
tblVehicleEF	HHD	6,364.76	1,476.72
tblVehicleEF	HHD	1,475.79	1,332.53
tblVehicleEF	HHD	5.54	0.02
tblVehicleEF	HHD	25.32	7.94
tblVehicleEF	HHD	2.46	2.69
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	4.1666e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	6.4958e-007

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.01	3.9863e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8156e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	5.9726e-007
tblVehicleEF	HHD	8.5000e-005	3.6500e-006
tblVehicleEF	HHD	3.4760e-003	1.2278e-004
tblVehicleEF	HHD	0.91	0.54
tblVehicleEF	HHD	5.2000e-005	1.9359e-006
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	2.3300e-004	5.4640e-004
tblVehicleEF	HHD	0.05	7.9748e-007
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	2.1697e-007
tblVehicleEF	HHD	8.5000e-005	3.6500e-006
tblVehicleEF	HHD	3.4760e-003	1.2278e-004
tblVehicleEF	HHD	1.05	0.62
tblVehicleEF	HHD	5.2000e-005	1.9359e-006
tblVehicleEF	HHD	0.13	0.06
tblVehicleEF	HHD	2.3300e-004	5.4640e-004
tblVehicleEF	HHD	0.06	8.7313e-007
tblVehicleEF	LDA	4.2030e-003	2.4361e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.65
tblVehicleEF	LDA	1.19	2.16
tblVehicleEF	LDA	251.29	261.47

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	57.15	53.86
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.4473e-003
tblVehicleEF	LDA	2.2790e-003	1.8579e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.3331e-003
tblVehicleEF	LDA	2.0960e-003	1.7083e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3316e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.5170e-003	2.5867e-003
tblVehicleEF	LDA	5.9200e-004	5.3300e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	4.7900e-003	2.7935e-003
tblVehicleEF	LDA	4.6890e-003	0.04

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	0.71	0.79
tblVehicleEF	LDA	0.99	1.79
tblVehicleEF	LDA	274.94	285.54
tblVehicleEF	LDA	57.15	53.16
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.4473e-003
tblVehicleEF	LDA	2.2790e-003	1.8579e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.3331e-003
tblVehicleEF	LDA	2.0960e-003	1.7083e-003
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8249e-003
tblVehicleEF	LDA	5.8800e-004	5.2609e-004
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.3763e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.61
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	255.84
tblVehicleEF	LDA	57.15	53.80
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.4473e-003
tblVehicleEF	LDA	2.2790e-003	1.8579e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.3331e-003
tblVehicleEF	LDA	2.0960e-003	1.7083e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.0876e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.4600e-003	2.5309e-003
tblVehicleEF	LDA	5.9100e-004	5.3240e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.01	7.0607e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.44
tblVehicleEF	LDT1	3.61	2.44
tblVehicleEF	LDT1	313.68	310.02
tblVehicleEF	LDT1	70.93	65.50
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.1936e-003
tblVehicleEF	LDT1	3.6920e-003	2.8519e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.0186e-003
tblVehicleEF	LDT1	3.3960e-003	2.6224e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.26	0.43
tblVehicleEF	LDT1	3.1570e-003	3.0678e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	7.7300e-004	6.4817e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	0.02	8.0102e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.74
tblVehicleEF	LDT1	2.97	2.02
tblVehicleEF	LDT1	341.75	335.16
tblVehicleEF	LDT1	70.93	64.59
tblVehicleEF	LDT1	0.14	0.12
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.1936e-003
tblVehicleEF	LDT1	3.6920e-003	2.8519e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.0186e-003
tblVehicleEF	LDT1	3.3960e-003	2.6224e-003
tblVehicleEF	LDT1	0.37	0.40
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.27	0.29
tblVehicleEF	LDT1	0.04	0.04

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3166e-003
tblVehicleEF	LDT1	7.6200e-004	6.3920e-004
tblVehicleEF	LDT1	0.37	0.40
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.27	0.29
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.88
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	6.8963e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.37
tblVehicleEF	LDT1	3.55	2.40
tblVehicleEF	LDT1	307.06	304.06
tblVehicleEF	LDT1	70.93	65.42
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.1936e-003
tblVehicleEF	LDT1	3.6920e-003	2.8519e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.0186e-003
tblVehicleEF	LDT1	3.3960e-003	2.6224e-003
tblVehicleEF	LDT1	0.19	0.20

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.03
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0089e-003
tblVehicleEF	LDT1	7.7200e-004	6.4740e-004
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.23	1.03
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.2796e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	0.97
tblVehicleEF	LDT2	1.67	2.78
tblVehicleEF	LDT2	351.15	331.49
tblVehicleEF	LDT2	79.39	70.30
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.31
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.5179e-003
tblVehicleEF	LDT2	2.4170e-003	1.9477e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	1.5880e-003	1.3970e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	3.5180e-003	3.2796e-003
tblVehicleEF	LDT2	8.2200e-004	6.9566e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	7.1840e-003	4.8872e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.18
tblVehicleEF	LDT2	1.38	2.30
tblVehicleEF	LDT2	383.36	355.94
tblVehicleEF	LDT2	79.39	69.35
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.29
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.5179e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	2.4170e-003	1.9477e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.3970e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.13	0.21
tblVehicleEF	LDT2	0.15	0.18
tblVehicleEF	LDT2	0.11	0.18
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5215e-003
tblVehicleEF	LDT2	8.1700e-004	6.8626e-004
tblVehicleEF	LDT2	0.13	0.21
tblVehicleEF	LDT2	0.15	0.18
tblVehicleEF	LDT2	0.11	0.18
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	6.1560e-003	4.1770e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.92
tblVehicleEF	LDT2	1.64	2.74
tblVehicleEF	LDT2	343.55	325.69
tblVehicleEF	LDT2	79.39	70.22
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.14	0.31

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.5179e-003
tblVehicleEF	LDT2	2.4170e-003	1.9477e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.3970e-003
tblVehicleEF	LDT2	2.2220e-003	1.7910e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	3.4410e-003	3.2222e-003
tblVehicleEF	LDT2	8.2200e-004	6.9487e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.56
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LHD1	5.2170e-003	4.8635e-003
tblVehicleEF	LHD1	0.01	6.5089e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	1.07	0.88

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.35
tblVehicleEF	LHD1	609.20	648.62
tblVehicleEF	LHD1	30.40	10.79
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.54
tblVehicleEF	LHD1	0.99	0.31
tblVehicleEF	LHD1	9.6500e-004	9.5292e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9683e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6298e-004
tblVehicleEF	LHD1	9.2400e-004	9.1170e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4921e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4180e-004
tblVehicleEF	LHD1	3.7070e-003	3.1746e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0460e-005
tblVehicleEF	LHD1	5.9760e-003	6.3133e-003
tblVehicleEF	LHD1	3.5300e-004	1.0677e-004

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	3.7070e-003	3.1746e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5420e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	4.8791e-003
tblVehicleEF	LHD1	0.01	6.6670e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	1.09	0.90
tblVehicleEF	LHD1	2.43	0.97
tblVehicleEF	LHD1	9.23	9.35
tblVehicleEF	LHD1	609.20	648.66
tblVehicleEF	LHD1	30.40	10.67
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.98	1.44
tblVehicleEF	LHD1	0.94	0.29
tblVehicleEF	LHD1	9.6500e-004	9.5292e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9683e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6298e-004
tblVehicleEF	LHD1	9.2400e-004	9.1170e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4921e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4180e-004
tblVehicleEF	LHD1	7.3080e-003	6.2984e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.5374e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.60
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0460e-005
tblVehicleEF	LHD1	5.9770e-003	6.3136e-003
tblVehicleEF	LHD1	3.5000e-004	1.0561e-004
tblVehicleEF	LHD1	7.3080e-003	6.2984e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.5374e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.60
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	4.8667e-003
tblVehicleEF	LHD1	0.01	6.5251e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	1.07	0.89
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.35
tblVehicleEF	LHD1	609.20	648.63

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	30.40	10.76
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.08	1.51
tblVehicleEF	LHD1	0.97	0.30
tblVehicleEF	LHD1	9.6500e-004	9.5292e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9683e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.5800e-004	2.6298e-004
tblVehicleEF	LHD1	9.2400e-004	9.1170e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4921e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.8100e-004	2.4180e-004
tblVehicleEF	LHD1	4.0430e-003	3.5092e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.5203e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.38	0.64
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0460e-005
tblVehicleEF	LHD1	5.9760e-003	6.3133e-003
tblVehicleEF	LHD1	3.5200e-004	1.0649e-004
tblVehicleEF	LHD1	4.0430e-003	3.5092e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	1.7940e-003	1.5203e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.64
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.3088e-003
tblVehicleEF	LHD2	4.6110e-003	4.1579e-003
tblVehicleEF	LHD2	8.1370e-003	9.5081e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.20	0.61
tblVehicleEF	LHD2	14.27	14.55
tblVehicleEF	LHD2	608.52	648.96
tblVehicleEF	LHD2	24.46	7.78
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.49	1.65
tblVehicleEF	LHD2	0.53	0.20
tblVehicleEF	LHD2	1.2830e-003	1.4035e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2635e-004
tblVehicleEF	LHD2	1.2280e-003	1.3428e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1617e-004
tblVehicleEF	LHD2	1.3070e-003	1.5577e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	8.0032e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3909e-004
tblVehicleEF	LHD2	5.9200e-003	6.2607e-003
tblVehicleEF	LHD2	2.6700e-004	7.6988e-005
tblVehicleEF	LHD2	1.3070e-003	1.5577e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	8.0032e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.5950e-003	3.3190e-003
tblVehicleEF	LHD2	4.6760e-003	4.2028e-003
tblVehicleEF	LHD2	7.7630e-003	9.0808e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.13	0.57
tblVehicleEF	LHD2	14.27	14.55
tblVehicleEF	LHD2	608.52	648.97
tblVehicleEF	LHD2	24.46	7.71
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.40	1.55

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.50	0.19
tblVehicleEF	LHD2	1.2830e-003	1.4035e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2635e-004
tblVehicleEF	LHD2	1.2280e-003	1.3428e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1617e-004
tblVehicleEF	LHD2	2.5220e-003	3.0277e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7647e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.3900e-004	1.3909e-004
tblVehicleEF	LHD2	5.9200e-003	6.2608e-003
tblVehicleEF	LHD2	2.6500e-004	7.6329e-005
tblVehicleEF	LHD2	2.5220e-003	3.0277e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7647e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.29

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.3107e-003
tblVehicleEF	LHD2	4.6180e-003	4.1632e-003
tblVehicleEF	LHD2	8.0640e-003	9.4269e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.50	0.56
tblVehicleEF	LHD2	1.19	0.60
tblVehicleEF	LHD2	14.27	14.55
tblVehicleEF	LHD2	608.52	648.96
tblVehicleEF	LHD2	24.46	7.77
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.46	1.62
tblVehicleEF	LHD2	0.52	0.20
tblVehicleEF	LHD2	1.2830e-003	1.4035e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.2635e-004
tblVehicleEF	LHD2	1.2280e-003	1.3428e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.1617e-004
tblVehicleEF	LHD2	1.3460e-003	1.6404e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	7.8060e-004

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3909e-004
tblVehicleEF	LHD2	5.9200e-003	6.2608e-003
tblVehicleEF	LHD2	2.6600e-004	7.6845e-005
tblVehicleEF	LHD2	1.3460e-003	1.6404e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	7.8060e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.43	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	20.55	20.74
tblVehicleEF	MCY	9.93	8.78
tblVehicleEF	MCY	167.73	210.98
tblVehicleEF	MCY	46.45	61.55
tblVehicleEF	MCY	1.16	1.17
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.8278e-003
tblVehicleEF	MCY	3.6730e-003	3.0522e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.7420e-003	1.7113e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	3.4650e-003	2.8769e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.23	2.23
tblVehicleEF	MCY	0.49	2.04
tblVehicleEF	MCY	2.16	1.90
tblVehicleEF	MCY	2.0770e-003	2.0879e-003
tblVehicleEF	MCY	6.9000e-004	6.0913e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.74	2.74
tblVehicleEF	MCY	0.49	2.04
tblVehicleEF	MCY	2.35	2.07
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	20.68	20.87
tblVehicleEF	MCY	9.05	7.97
tblVehicleEF	MCY	167.73	210.98
tblVehicleEF	MCY	46.45	59.35
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.8278e-003
tblVehicleEF	MCY	3.6730e-003	3.0522e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.7420e-003	1.7113e-003
tblVehicleEF	MCY	3.4650e-003	2.8769e-003
tblVehicleEF	MCY	3.14	3.14
tblVehicleEF	MCY	1.27	1.28
tblVehicleEF	MCY	2.13	2.12
tblVehicleEF	MCY	2.17	2.17
tblVehicleEF	MCY	0.49	2.03
tblVehicleEF	MCY	1.86	1.63
tblVehicleEF	MCY	2.0770e-003	2.0879e-003
tblVehicleEF	MCY	6.6700e-004	5.8727e-004
tblVehicleEF	MCY	3.14	3.14
tblVehicleEF	MCY	1.27	1.28
tblVehicleEF	MCY	2.13	2.12
tblVehicleEF	MCY	2.67	2.67
tblVehicleEF	MCY	0.49	2.03
tblVehicleEF	MCY	2.02	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	19.79
tblVehicleEF	MCY	9.55	8.43
tblVehicleEF	MCY	167.73	209.35
tblVehicleEF	MCY	46.45	60.75
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	1.8610e-003	1.8278e-003
tblVehicleEF	MCY	3.6730e-003	3.0522e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.7420e-003	1.7113e-003
tblVehicleEF	MCY	3.4650e-003	2.8769e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.19	2.20
tblVehicleEF	MCY	0.56	2.32
tblVehicleEF	MCY	2.08	1.83
tblVehicleEF	MCY	2.0610e-003	2.0717e-003
tblVehicleEF	MCY	6.8200e-004	6.0122e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.69	2.69
tblVehicleEF	MCY	0.56	2.32
tblVehicleEF	MCY	2.27	1.99
tblVehicleEF	MDV	0.01	5.5556e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.33
tblVehicleEF	MDV	483.94	412.02
tblVehicleEF	MDV	107.92	87.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.32	0.39

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6293e-003
tblVehicleEF	MDV	2.5170e-003	2.0561e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5030e-003
tblVehicleEF	MDV	2.3150e-003	1.8909e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.25	0.45
tblVehicleEF	MDV	4.8500e-003	4.0736e-003
tblVehicleEF	MDV	1.1370e-003	8.6140e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	0.01	6.3576e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.38
tblVehicleEF	MDV	2.69	2.75
tblVehicleEF	MDV	526.85	437.99

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	107.92	85.88
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.30	0.36
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6293e-003
tblVehicleEF	MDV	2.5170e-003	2.0561e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5030e-003
tblVehicleEF	MDV	2.3150e-003	1.8909e-003
tblVehicleEF	MDV	0.20	0.24
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.17	0.21
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3306e-003
tblVehicleEF	MDV	1.1260e-003	8.4981e-004
tblVehicleEF	MDV	0.20	0.24
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.17	0.21
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.52
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	0.01	5.4097e-003
tblVehicleEF	MDV	0.02	0.09

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	1.28	1.08
tblVehicleEF	MDV	3.20	3.28
tblVehicleEF	MDV	473.93	405.86
tblVehicleEF	MDV	107.92	86.95
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6293e-003
tblVehicleEF	MDV	2.5170e-003	2.0561e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5030e-003
tblVehicleEF	MDV	2.3150e-003	1.8909e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.60
tblVehicleEF	MDV	0.25	0.45
tblVehicleEF	MDV	4.7490e-003	4.0127e-003
tblVehicleEF	MDV	1.1360e-003	8.6043e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.60

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.27	0.49
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.36
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	951.23
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.54
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	8.9926e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.36
tblVehicleEF	MH	5.84	0.00
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tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.26
tblVehicleEF	MH	0.86	0.00
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	8.9926e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	6.9700e-004	0.00
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tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.7970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.36
tblVehicleEF	MH	6.36	0.00
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
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tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
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tblVehicleEF	MHD	0.99	1.54
tblVehicleEF	MHD	11.88	1.42
tblVehicleEF	MHD	3.8600e-004	1.1814e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	9.9655e-005

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	3.6900e-004	1.1303e-003
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.1629e-005
tblVehicleEF	MHD	1.2800e-003	5.9283e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.9990e-004
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tblVehicleEF	MHD	0.02	0.11
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tblVehicleEF	MHD	0.01	9.5251e-003
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tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.9990e-004
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tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	3.0169e-003
tblVehicleEF	MHD	3.5800e-003	3.5292e-003
tblVehicleEF	MHD	0.05	8.1178e-003
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tblVehicleEF	MHD	0.28	0.36

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	4.97	0.91
tblVehicleEF	MHD	166.20	69.79
tblVehicleEF	MHD	1,101.52	999.60
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	9.9655e-005
tblVehicleEF	MHD	3.1100e-004	9.5545e-004
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.1629e-005
tblVehicleEF	MHD	2.5300e-003	1.1737e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	6.9414e-004
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.30	0.04
tblVehicleEF	MHD	1.5950e-003	6.6201e-004
tblVehicleEF	MHD	0.01	9.5252e-003
tblVehicleEF	MHD	6.1100e-004	8.0502e-005

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	2.5300e-003	1.1737e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	6.9414e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.33	0.05
tblVehicleEF	MHD	0.02	3.4065e-003
tblVehicleEF	MHD	3.5220e-003	3.4913e-003
tblVehicleEF	MHD	0.05	8.4146e-003
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tblVehicleEF	MHD	0.27	0.35
tblVehicleEF	MHD	5.23	0.96
tblVehicleEF	MHD	144.06	68.08
tblVehicleEF	MHD	1,101.52	999.60
tblVehicleEF	MHD	52.43	8.22
tblVehicleEF	MHD	0.57	0.51
tblVehicleEF	MHD	0.97	1.51
tblVehicleEF	MHD	11.87	1.42
tblVehicleEF	MHD	4.7000e-004	1.4337e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.03
tblVehicleEF	MHD	7.6400e-004	9.9655e-005
tblVehicleEF	MHD	4.4900e-004	1.3717e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	9.1629e-005
tblVehicleEF	MHD	1.3890e-003	6.4564e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.9482e-004
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.3860e-003	6.4563e-004
tblVehicleEF	MHD	0.01	9.5251e-003
tblVehicleEF	MHD	6.1600e-004	8.1312e-005
tblVehicleEF	MHD	1.3890e-003	6.4564e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.9482e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	OBUS	0.01	9.1482e-003
tblVehicleEF	OBUS	9.9110e-003	8.5444e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.48
tblVehicleEF	OBUS	0.63	0.98
tblVehicleEF	OBUS	6.27	2.73
tblVehicleEF	OBUS	70.35	66.56
tblVehicleEF	OBUS	1,121.50	1,475.42

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	70.70	21.88
tblVehicleEF	OBUS	0.28	0.29
tblVehicleEF	OBUS	0.97	1.13
tblVehicleEF	OBUS	1.93	0.61
tblVehicleEF	OBUS	6.4000e-005	5.0004e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3022e-004
tblVehicleEF	OBUS	6.1000e-005	4.7841e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1168e-004
tblVehicleEF	OBUS	2.1800e-003	2.7868e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1432e-003
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	6.8400e-004	6.3587e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.1653e-004
tblVehicleEF	OBUS	2.1800e-003	2.7868e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	9.3100e-004	1.1432e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.2023e-003
tblVehicleEF	OBUS	0.01	8.7764e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.65	1.01
tblVehicleEF	OBUS	5.74	2.51
tblVehicleEF	OBUS	73.50	66.43
tblVehicleEF	OBUS	1,121.50	1,475.46
tblVehicleEF	OBUS	70.70	21.50
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	0.90	1.04
tblVehicleEF	OBUS	1.88	0.60
tblVehicleEF	OBUS	5.4000e-005	4.2493e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3022e-004
tblVehicleEF	OBUS	5.1000e-005	4.0655e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.1168e-004
tblVehicleEF	OBUS	4.2350e-003	5.4314e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.02	0.03
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tblVehicleEF	OBUS	0.05	0.31
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.1273e-004
tblVehicleEF	OBUS	4.2350e-003	5.4314e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.6364e-003
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	OBUS	0.01	9.1126e-003
tblVehicleEF	OBUS	9.9380e-003	8.5701e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.49
tblVehicleEF	OBUS	0.63	0.99
tblVehicleEF	OBUS	6.22	2.71
tblVehicleEF	OBUS	66.00	66.75
tblVehicleEF	OBUS	1,121.50	1,475.42
tblVehicleEF	OBUS	70.70	21.85
tblVehicleEF	OBUS	0.27	0.30
tblVehicleEF	OBUS	0.96	1.11

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	1.91	0.61
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.3022e-004
tblVehicleEF	OBUS	7.4000e-005	5.7764e-004
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tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
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tblVehicleEF	OBUS	0.04	0.05
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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.33
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.1619e-004
tblVehicleEF	OBUS	2.3200e-003	3.0071e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
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tblVehicleEF	OBUS	0.05	0.33

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.42	0.14
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	SBUS	0.01	3.8601e-003
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tblVehicleEF	SBUS	2.7560e-003	2.7657e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	2.7538e-005
tblVehicleEF	SBUS	2.9260e-003	7.3837e-004
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tblVehicleEF	SBUS	0.68	0.20
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Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.11	0.10
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tblVehicleEF	SBUS	4.6300e-004	3.1783e-005
tblVehicleEF	SBUS	2.9260e-003	7.3837e-004
tblVehicleEF	SBUS	0.02	5.5395e-003
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tblVehicleEF	SBUS	1.3050e-003	3.4812e-004
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tblVehicleEF	SBUS	0.30	0.03
tblVehicleEF	SBUS	0.84	0.04
tblVehicleEF	SBUS	0.01	6.9393e-003
tblVehicleEF	SBUS	0.06	3.3785e-003
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tblVehicleEF	SBUS	0.66	0.59
tblVehicleEF	SBUS	3.65	0.39
tblVehicleEF	SBUS	1,322.00	344.13
tblVehicleEF	SBUS	1,136.31	1,128.74
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Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	8.5310e-003	0.03
tblVehicleEF	SBUS	0.22	0.02
tblVehicleEF	SBUS	0.01	3.2705e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	2.9141e-005
tblVehicleEF	SBUS	5.6170e-003	1.3276e-003
tblVehicleEF	SBUS	0.02	5.8525e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	2.8800e-003	6.7376e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	8.5310e-003	0.03
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.84	0.04
tblVehicleEF	SBUS	0.01	6.8505e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.07	4.1761e-003
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tblVehicleEF	SBUS	1,169.92	325.30
tblVehicleEF	SBUS	1,136.31	1,128.72
tblVehicleEF	SBUS	37.11	3.24
tblVehicleEF	SBUS	11.19	3.26
tblVehicleEF	SBUS	4.69	4.99
tblVehicleEF	SBUS	15.02	0.95
tblVehicleEF	SBUS	0.01	4.8982e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	2.9951e-005
tblVehicleEF	SBUS	0.01	4.6863e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7657e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	2.7538e-005
tblVehicleEF	SBUS	2.9580e-003	7.2630e-004
tblVehicleEF	SBUS	0.02	5.8802e-003
tblVehicleEF	SBUS	0.68	0.20
tblVehicleEF	SBUS	1.2820e-003	3.5327e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.28	0.02

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.01	3.0925e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	3.2075e-005
tblVehicleEF	SBUS	2.9580e-003	7.2630e-004
tblVehicleEF	SBUS	0.02	5.8802e-003
tblVehicleEF	SBUS	0.98	0.28
tblVehicleEF	SBUS	1.2820e-003	3.5327e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	UBUS	1.83	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.26	32.67
tblVehicleEF	UBUS	14.34	1.43
tblVehicleEF	UBUS	1,846.39	1,724.94
tblVehicleEF	UBUS	136.37	16.90
tblVehicleEF	UBUS	5.87	0.37
tblVehicleEF	UBUS	13.57	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6830e-003
tblVehicleEF	UBUS	1.4030e-003	1.8942e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3128e-003
tblVehicleEF	UBUS	0.06	2.5514e-003
tblVehicleEF	UBUS	1.2900e-003	1.7416e-004
tblVehicleEF	UBUS	8.0860e-003	1.5317e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.11	8.4711e-003
tblVehicleEF	UBUS	3.9450e-003	6.5234e-004
tblVehicleEF	UBUS	0.61	0.06
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.06
tblVehicleEF	UBUS	0.01	3.8821e-003
tblVehicleEF	UBUS	1.6240e-003	1.6724e-004
tblVehicleEF	UBUS	8.0860e-003	1.5317e-003
tblVehicleEF	UBUS	0.11	8.4711e-003
tblVehicleEF	UBUS	3.9450e-003	6.5234e-004
tblVehicleEF	UBUS	2.50	4.28
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.07
tblVehicleEF	UBUS	1.83	4.19
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.36	32.67
tblVehicleEF	UBUS	11.74	1.17
tblVehicleEF	UBUS	1,846.39	1,724.94
tblVehicleEF	UBUS	136.37	16.47
tblVehicleEF	UBUS	5.45	0.37
tblVehicleEF	UBUS	13.45	0.16
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6830e-003
tblVehicleEF	UBUS	1.4030e-003	1.8942e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3128e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.06	2.5514e-003
tblVehicleEF	UBUS	1.2900e-003	1.7416e-004
tblVehicleEF	UBUS	0.02	2.9018e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4773e-003
tblVehicleEF	UBUS	0.62	0.06
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.06
tblVehicleEF	UBUS	0.01	3.8821e-003
tblVehicleEF	UBUS	1.5790e-003	1.6303e-004
tblVehicleEF	UBUS	0.02	2.9018e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4773e-003
tblVehicleEF	UBUS	2.52	4.28
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.06
tblVehicleEF	UBUS	1.83	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.27	32.67
tblVehicleEF	UBUS	13.86	1.39
tblVehicleEF	UBUS	1,846.39	1,724.94
tblVehicleEF	UBUS	136.37	16.85
tblVehicleEF	UBUS	5.76	0.37
tblVehicleEF	UBUS	13.55	0.16
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6830e-003

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	1.4030e-003	1.8942e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3128e-003
tblVehicleEF	UBUS	0.06	2.5514e-003
tblVehicleEF	UBUS	1.2900e-003	1.7416e-004
tblVehicleEF	UBUS	9.2250e-003	1.6222e-003
tblVehicleEF	UBUS	0.14	9.7128e-003
tblVehicleEF	UBUS	4.1190e-003	6.4835e-004
tblVehicleEF	UBUS	0.61	0.06
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.06
tblVehicleEF	UBUS	0.01	3.8821e-003
tblVehicleEF	UBUS	1.6160e-003	1.6670e-004
tblVehicleEF	UBUS	9.2250e-003	1.6222e-003
tblVehicleEF	UBUS	0.14	9.7128e-003
tblVehicleEF	UBUS	4.1190e-003	6.4835e-004
tblVehicleEF	UBUS	2.50	4.28
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.07
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	33.00
tblVehicleTrips	CW_TL	16.60	36.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	0.68
tblVehicleTrips	ST_TR	1.68	0.56
tblVehicleTrips	SU_TR	1.68	0.68
tblVehicleTrips	SU_TR	1.68	0.56
tblVehicleTrips	WD_TR	1.68	0.68
tblVehicleTrips	WD_TR	1.68	0.56
tblWater	IndoorWaterUseRate	51,728,312.50	0.00
tblWater	IndoorWaterUseRate	206,915,562.50	34,675,000.00

2.0 Emissions Summary

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6417	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Energy	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	4,266.5639	4,266.5639	0.1603	0.0434	4,283.5182
Mobile	0.6744	22.7715	5.9768	0.1014	3.6677	0.2623	3.9300	1.0321	0.2509	1.2830	0.0000	9,888.7798	9,888.7798	0.3297	0.0000	9,897.0226
Offroad	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113
Waste						0.0000	0.0000		0.0000	0.0000	215.3227	0.0000	213.4146	12.6124	0.0000	528.7255
Water						0.0000	0.0000		0.0000	0.0000	11.0008	143.8586	154.8594	1.1358	0.0279	191.5715
Total	5.4774	24.3537	7.1081	0.1076	3.6677	0.3442	4.0120	1.0321	0.3303	1.3624	226.3234	14,502.4212	14,728.7447	14.4169	0.0714	15,110.4300

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6417	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Energy	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	4,266.5639	4,266.5639	0.1603	0.0434	4,283.5182
Mobile	0.6744	22.7715	5.9768	0.1014	3.6677	0.2623	3.9300	1.0321	0.2509	1.2830	0.0000	9,888.7798	9,888.7798	0.3297	0.0000	9,897.0226
Offroad	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113
Waste						0.0000	0.0000		0.0000	0.0000	215.3227	0.0000	213.4146	12.6124	0.0000	528.7255
Water						0.0000	0.0000		0.0000	0.0000	11.0008	143.8586	154.8594	1.1358	0.0279	191.5715
Total	5.4774	24.3537	7.1081	0.1076	3.6677	0.3442	4.0120	1.0321	0.3303	1.3624	226.3234	14,502.4212	14,728.7447	14.4169	0.0714	15,110.4300

	ROG	NOx	CO	SO2	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	4/1/2020	4/1/2020	5	1	

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 21.82

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	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	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	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

3.2 Demolition - 2020

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	0.0000	0.0000	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 Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	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	0.0000

4.0 Operational Detail - Mobile

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

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	0.6744	22.7715	5.9768	0.1014	3.6677	0.2623	3.9300	1.0321	0.2509	1.2830	0.0000	9,888.7798	9,888.7798	0.3297	0.0000	9,897.0226
Unmitigated	0.6744	22.7715	5.9768	0.1014	3.6677	0.2623	3.9300	1.0321	0.2509	1.2830	0.0000	9,888.7798	9,888.7798	0.3297	0.0000	9,897.0226

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	152.11	152.11	152.11	1,827,136	1,827,136
Unrefrigerated Warehouse-No Rail	501.07	501.07	501.07	6,566,037	6,566,037
Total	653.18	653.18	653.18	8,393,173	8,393,173

4.3 Trip Type Information

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

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 Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	33.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	36.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Parking Lot	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.346653	0.000000	0.109890	0.543457	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.167167	0.000000	0.207207	0.625626	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	3,551.7730	3,551.7730	0.1466	0.0303	3,564.4795
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,551.7730	3,551.7730	0.1466	0.0303	3,564.4795
NaturalGas Mitigated	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386
NaturalGas Unmitigated	0.0722	0.6566	0.5516	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386

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 Non-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
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	0.0000
Refrigerated Warehouse-No Rail	1.15783e+007	0.0624	0.5676	0.4768	3.4100e-003		0.0431	0.0431		0.0431	0.0431	0.0000	617.8621	617.8621	0.0118	0.0113	621.5337
Unrefrigerated Warehouse-No Rail	1.81638e+006	9.7900e-003	0.0890	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003	0.0000	96.9289	96.9289	1.8600e-003	1.7800e-003	97.5049
Total		0.0722	0.6566	0.5515	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-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
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	0.0000
Refrigerated Warehouse-No Rail	1.15783e+007	0.0624	0.5676	0.4768	3.4100e-003		0.0431	0.0431		0.0431	0.0431	0.0000	617.8621	617.8621	0.0118	0.0113	621.5337
Unrefrigerated Warehouse-No Rail	1.81638e+006	9.7900e-003	0.0890	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003	0.0000	96.9289	96.9289	1.8600e-003	1.7800e-003	97.5049
Total		0.0722	0.6566	0.5515	3.9400e-003		0.0499	0.0499		0.0499	0.0499	0.0000	714.7910	714.7910	0.0137	0.0131	719.0386

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	269172	85.7639	3.5400e-003	7.3000e-004	86.0707
Refrigerated Warehouse-No Rail	8.86491e+006	2,824.5515	0.1166	0.0241	2,834.6564
Unrefrigerated Warehouse-No Rail	2.01323e+006	641.4576	0.0265	5.4800e-003	643.7524
Total		3,551.7730	0.1466	0.0303	3,564.4795

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	269172	85.7639	3.5400e-003	7.3000e-004	86.0707
Refrigerated Warehouse-No Rail	8.86491e+006	2,824.5515	0.1166	0.0241	2,834.6564
Unrefrigerated Warehouse-No Rail	2.01323e+006	641.4576	0.0265	5.4800e-003	643.7524
Total		3,551.7730	0.1466	0.0303	3,564.4795

6.0 Area Detail

6.1 Mitigation Measures Area

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	4.6417	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Unmitigated	4.6417	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537

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	tons/yr										MT/yr					
Architectural Coating	0.5363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Total	4.6417	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537
Total	4.6417	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0504	0.0504	1.3000e-004	0.0000	0.0537

7.0 Water Detail

7.1 Mitigation Measures Water

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	154.8594	1.1358	0.0279	191.5715
Unmitigated	154.8594	1.1358	0.0279	191.5715

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.675 / 0	154.8594	1.1358	0.0279	191.5715
Total		154.8594	1.1358	0.0279	191.5715

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.675 / 0	154.8594	1.1358	0.0279	191.5715
Total		154.8594	1.1358	0.0279	191.5715

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	215.3227	12.7252	0.0000	533.4528
Unmitigated	215.3227	12.7252	0.0000	533.4528

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	219.67	44.5910	2.6353	0.0000	110.4724
Unrefrigerated Warehouse-No Rail	841.08	170.7316	10.0900	0.0000	422.9804
Total		215.3227	12.7252	0.0000	533.4528

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	219.67	44.5910	2.6353	0.0000	110.4724
Unrefrigerated Warehouse-No Rail	841.08	170.7316	10.0900	0.0000	422.9804
Total		215.3227	12.7252	0.0000	533.4528

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	4	4.00	365	200	0.37	CNG

Goodman Industrial Park (Operations - Trucks) - San Bernardino-South Coast County, Annual

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113
Total	0.0891	0.9254	0.5538	2.3100e-003		0.0319	0.0319		0.0294	0.0294	0.0000	203.1686	203.1686	0.0657	0.0000	204.8113

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

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APPENDIX 3.3:
EMFAC2017 MODEL OUTPUTS

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: SAN BERNARDINO

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
SAN BERNARDINO	2022	HHDT	Aggregated	Aggregated	GAS	8.109229189	0.193395795	193.395795	624436.8227	826.8194821	4221920.102	6.76	HHDT
SAN BERNARDINO	2022	HHDT	Aggregated	Aggregated	DSL	29107.97285	602.259714	602259.714		4173670.291			
SAN BERNARDINO	2022	HHDT	Aggregated	Aggregated	NG	1162.564465	21.98371287	21983.71287		47422.99155			
SAN BERNARDINO	2022	LDA	Aggregated	Aggregated	GAS	910411.4114	1200.769741	1200769.741	1207467.68	37862689.71	38823487.46	32.15	LDA
SAN BERNARDINO	2022	LDA	Aggregated	Aggregated	DSL	7797.557183	6.697939464	6697.939464		343042.3565			
SAN BERNARDINO	2022	LDA	Aggregated	Aggregated	ELEC	14887.76205	0	0		617755.3942			
SAN BERNARDINO	2022	LDT1	Aggregated	Aggregated	GAS	96500.142	129.1698834	129169.8834	129206.0462	3464551.793	3489143.928	27.00	LDT1
SAN BERNARDINO	2022	LDT1	Aggregated	Aggregated	DSL	50.32766755	0.036162766	36.162766		907.4533401			
SAN BERNARDINO	2022	LDT1	Aggregated	Aggregated	ELEC	545.2677578	0	0		23684.682			
SAN BERNARDINO	2022	LDT2	Aggregated	Aggregated	GAS	296140.2494	444.2948295	444294.8295	446193.5764	11123436.46	11281305.28	25.28	LDT2
SAN BERNARDINO	2022	LDT2	Aggregated	Aggregated	DSL	1648.845265	1.898746908	1898.746908		72209.28966			
SAN BERNARDINO	2022	LDT2	Aggregated	Aggregated	ELEC	2600.581024	0	0		85659.5299			
SAN BERNARDINO	2022	LHDT1	Aggregated	Aggregated	GAS	25305.85033	81.10058119	81100.58119	120605.3551	850203.8881	1673844.176	13.88	LHDT1
SAN BERNARDINO	2022	LHDT1	Aggregated	Aggregated	DSL	23106.86372	39.50477392	39504.77392		823640.2876			
SAN BERNARDINO	2022	LHDT2	Aggregated	Aggregated	GAS	4087.266495	14.99572092	14995.72092	31186.38468	137122.2767	446716.8997	14.32	LHDT2
SAN BERNARDINO	2022	LHDT2	Aggregated	Aggregated	DSL	8629.306807	16.19066376	16190.66376		309594.623			
SAN BERNARDINO	2022	MCY	Aggregated	Aggregated	GAS	44575.9037	11.23357379	11233.57379	11233.57379	431598.182	431598.182	38.42	MCY
SAN BERNARDINO	2022	MDV	Aggregated	Aggregated	GAS	241112.779	433.3132726	433313.2726	440550.9194	8728538.882	8979175.024	20.38	MDV
SAN BERNARDINO	2022	MDV	Aggregated	Aggregated	DSL	4771.984437	7.237646771	7237.646771		203739.569			
SAN BERNARDINO	2022	MDV	Aggregated	Aggregated	ELEC	1385.57814	0	0		46896.57332			
SAN BERNARDINO	2022	MH	Aggregated	Aggregated	GAS	6776.86518	11.17411989	11174.11989	13187.26178	56370.59711	77912.93801	5.91	MH
SAN BERNARDINO	2022	MH	Aggregated	Aggregated	DSL	2519.748096	2.013141892	2013.141892		21542.3409			
SAN BERNARDINO	2022	MHDT	Aggregated	Aggregated	GAS	2378.587129	29.1984514	29198.4514	140274.9387	150089.7292	1364799.147	9.73	MHDT
SAN BERNARDINO	2022	MHDT	Aggregated	Aggregated	DSL	17930.27232	111.0764873	111076.4873		1214709.418			
SAN BERNARDINO	2022	OBUS	Aggregated	Aggregated	GAS	690.7449641	7.222963025	7222.963025	9876.635031	36606.36372	59377.46165	6.01	OBUS
SAN BERNARDINO	2022	OBUS	Aggregated	Aggregated	DSL	303.3506987	2.653672006	2653.672006		22771.09793			
SAN BERNARDINO	2022	SBUS	Aggregated	Aggregated	GAS	282.3736929	1.454650909	1454.650909	7170.407043	13465.23518	57478.83303	8.02	SBUS
SAN BERNARDINO	2022	SBUS	Aggregated	Aggregated	DSL	1384.188789	5.715756134	5715.756134		44013.59785			
SAN BERNARDINO	2022	UBUS	Aggregated	Aggregated	GAS	158.0031422	2.530300278	2530.300278	12197.98529	17853.05159	56649.14979	4.64	UBUS
SAN BERNARDINO	2022	UBUS	Aggregated	Aggregated	DSL	4.252704076	0.052104315	52.104315		362.3725942			
SAN BERNARDINO	2022	UBUS	Aggregated	Aggregated	ELEC	0.085938117	0	0		1.919228349			
SAN BERNARDINO	2022	UBUS	Aggregated	Aggregated	NG	286.551773	9.615580693	9615.580693		38431.80638			

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