



CLIMATE ACTION PLAN CONSISTENCY CHECKLIST INTRODUCTION

In December 2015, the City adopted a Climate Action Plan (CAP) that outlines the actions that City will undertake to achieve its proportional share of State greenhouse gas (GHG) emission reductions. The purpose of the Climate Action Plan Consistency Checklist (Checklist) is to, in conjunction with the CAP, provide a streamlined review process for proposed new development projects that are subject to discretionary review and trigger environmental review pursuant to the California Environmental Quality Act (CEQA).¹

Analysis of GHG emissions and potential climate change impacts from new development is required under CEQA. The CAP is a plan for the reduction of GHG emissions in accordance with CEQA Guidelines Section 15183.5. Pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of the CAP.

This Checklist is part of the CAP and contains measures that are required to be implemented on a project-by-project basis to ensure that the specified emissions targets identified in the CAP are achieved. Implementation of these measures would ensure that new development is consistent with the CAP's assumptions for relevant CAP strategies toward achieving the identified GHG reduction targets. Projects that are consistent with the CAP as determined through the use of this Checklist may rely on the CAP for the cumulative impacts analysis of GHG emissions. Projects that are not consistent with the CAP must prepare a comprehensive project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions and incorporation of the measures in this Checklist to the extent feasible. Cumulative GHG impacts would be significant for any project that is not consistent with the CAP.

The Checklist may be updated to incorporate new GHG reduction techniques or to comply with later amendments to the CAP or local, State, or federal law.

¹ Certain projects seeking ministerial approval may be required to complete the Checklist. For example, projects in a Community Plan Implementation Overlay Zone may be required to use the Checklist to qualify for ministerial level review. See Supplemental Development Regulations in the project's community plan to determine applicability.

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CAP CONSISTENCY CHECKLIST SUBMITTAL APPLICATION

- ❖ The Checklist is required only for projects subject to CEQA review.²
- ❖ If required, the Checklist must be included in the project submittal package. Application submittal procedures can be found in [Chapter 11: Land Development Procedures](#) of the City's Municipal Code.
- ❖ The requirements in the Checklist will be included in the project's conditions of approval.
- ❖ The applicant must provide an explanation of how the proposed project will implement the requirements described herein to the satisfaction of the Planning Department.

Application Information

Contact Information

Project No./Name: _____

Property Address: _____

Applicant Name/Co.: _____

Contact Phone: _____ Contact Email: _____

Was a consultant retained to complete this checklist? Yes No If Yes, complete the following

Consultant Name: _____ Contact Phone: _____

Company Name: _____ Contact Email: _____

Project Information

1. What is the size of the project (acres)? _____

2. Identify all applicable proposed land uses:

Residential (indicate # of single-family units): _____

Residential (indicate # of multi-family units): _____

Commercial (total square footage): _____

Industrial (total square footage): _____

Other (describe): _____

3. Is the project or a portion of the project located in a Transit Priority Area? Yes No

4. Provide a brief description of the project proposed:

² Certain projects seeking ministerial approval may be required to complete the Checklist. For example, projects in a Community Plan Implementation Overlay Zone may be required to use the Checklist to qualify for ministerial level review. See Supplemental Development Regulations in the project's community plan to determine applicability.



CAP CONSISTENCY CHECKLIST QUESTIONS

Step 1: Land Use Consistency

The first step in determining CAP consistency for discretionary development projects is to assess the project's consistency with the growth projections used in the development of the CAP. This section allows the City to determine a project's consistency with the land use assumptions used in the CAP.

Step 1: Land Use Consistency		
Checklist Item (Check the appropriate box and provide explanation and supporting documentation for your answer)	Yes	No
A. Is the proposed project consistent with the existing General Plan and Community Plan land use and zoning designations?; ³ <u>OR</u>		
B. If the proposed project is not consistent with the existing land use plan and zoning designations, and includes a land use plan and/or zoning designation amendment, would the proposed amendment result in an increased density within a Transit Priority Area (TPA) ⁴ and implement CAP Strategy 3 actions, as determined in Step 3 to the satisfaction of the Development Services Department?; <u>OR</u>	<input type="checkbox"/>	<input type="checkbox"/>
C. If the proposed project is not consistent with the existing land use plan and zoning designations, does the project include a land use plan and/or zoning designation amendment that would result in an equivalent or less GHG-intensive project when compared to the existing designations?		

If **"Yes,"** proceed to Step 2 of the Checklist. For question B above, complete Step 3. For question C above, provide estimated project emissions under both existing and proposed designation(s) for comparison. Compare the maximum buildout of the existing designation and the maximum buildout of the proposed designation.

If **"No,"** in accordance with the City's Significance Determination Thresholds, the project's GHG impact is significant. The project must nonetheless incorporate each of the measures identified in Step 2 to mitigate cumulative GHG emissions impacts unless the decision maker finds that a measure is infeasible in accordance with CEQA Guidelines Section 15091. Proceed and complete Step 2 of the Checklist.

³ This question may also be answered in the affirmative if the project is consistent with SANDAG Series 12 growth projections, which were used to determine the CAP projections, as determined by the Planning Department.

⁴ This category applies to all projects that answered in the affirmative to question 3 on the previous page: Is the project or a portion of the project located in a transit priority area.

Step 2: CAP Strategies Consistency

The second step of the CAP consistency review is to review and evaluate a project's consistency with the applicable strategies and actions of the CAP. Step 2 only applies to development projects that involve permits that would require a certificate of occupancy from the Building Official or projects comprised of one and two family dwellings or townhouses as defined in the California Residential Code and their accessory structures.⁵ All other development projects that would not require a certificate of occupancy from the Building Official shall implement Best Management Practices for construction activities as set forth in the [Greenbook](#) (for public projects).

Step 2: CAP Strategies Consistency			
Checklist Item (Check the appropriate box and provide explanation for your answer)	Yes	No	N/A
Strategy 1: Energy & Water Efficient Buildings			
<p>1. <i>Cool/Green Roofs.</i></p> <ul style="list-style-type: none"> • Would the project include roofing materials with a minimum 3-year aged solar reflection and thermal emittance or solar reflection index equal to or greater than the values specified in the voluntary measures under California Green Building Standards Code (Attachment A)?; <u>OR</u> • Would the project roof construction have a thermal mass over the roof membrane, including areas of vegetated (green) roofs, weighing at least 25 pounds per square foot as specified in the voluntary measures under California Green Building Standards Code?; <u>OR</u> • Would the project include a combination of the above two options? <p>Check "N/A" only if the project does not include a roof component.</p> <div style="border: 1px solid black; height: 150px; width: 100%; margin-top: 10px;"></div>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

⁵ Actions that are not subject to Step 2 would include, for example: 1) discretionary map actions that do not propose specific development, 2) permits allowing wireless communication facilities, 3) special events permits, 4) use permits or other permits that do not result in the expansion or enlargement of a building (e.g., decks, garages, etc.), and 5) non-building infrastructure projects such as roads and pipelines. Because such actions would not result in new occupancy buildings from which GHG emissions reductions could be achieved, the items contained in Step 2 would not be applicable.

2. *Plumbing fixtures and fittings*

With respect to plumbing fixtures or fittings provided as part of the project, would those low-flow fixtures/appliances be consistent with each of the following:

Residential buildings:

- Kitchen faucets: maximum flow rate not to exceed 1.5 gallons per minute at 60 psi;
- Standard dishwashers: 4.25 gallons per cycle;
- Compact dishwashers: 3.5 gallons per cycle; and
- Clothes washers: water factor of 6 gallons per cubic feet of drum capacity?

Nonresidential buildings:

- Plumbing fixtures and fittings that do not exceed the maximum flow rate specified in [Table A5.303.2.3.1 \(voluntary measures\) of the California Green Building Standards Code](#) (See Attachment A); and
- Appliances and fixtures for commercial applications that meet the provisions of [Section A5.303.3 \(voluntary measures\) of the California Green Building Standards Code](#) (See Attachment A)?

Check "N/A" only if the project does not include any plumbing fixtures or fittings.

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Strategy 3: Bicycling, Walking, Transit & Land Use

3. *Electric Vehicle Charging*

- Multiple-family projects of 17 dwelling units or less: Would 3% of the total parking spaces required, or a minimum of one space, whichever is greater, be provided with a listed cabinet, box or enclosure connected to a conduit linking the parking spaces with the electrical service, in a manner approved by the building and safety official, to allow for the future installation of electric vehicle supply equipment to provide electric vehicle charging stations at such time as it is needed for use by residents?
- Multiple-family projects of more than 17 dwelling units: Of the total required listed cabinets, boxes or enclosures, would 50% have the necessary electric vehicle supply equipment installed to provide active electric vehicle charging stations ready for use by residents?
- Non-residential projects: Of the total required listed cabinets, boxes or enclosures, would 50% have the necessary electric vehicle supply equipment installed to provide active electric vehicle charging stations ready for use?

Check "N/A" only if the project is a single-family project or would not require the provision of listed cabinets, boxes, or enclosures connected to a conduit linking the parking spaces with electrical service, e.g., projects requiring fewer than 10 parking spaces.

Strategy 3: Bicycling, Walking, Transit & Land Use

(Complete this section if project includes non-residential or mixed uses)

4. *Bicycle Parking Spaces*

Would the project provide more short- and long-term bicycle parking spaces than required in the City's Municipal Code ([Chapter 14, Article 2, Division 5](#))?⁶

Check "N/A" only if the project is a residential project.

⁶ Non-portable bicycle corrals within 600 feet of project frontage can be counted towards the project's bicycle parking requirements.

5. *Shower facilities*

If the project includes nonresidential development that would accommodate over 10 tenant occupants (employees), would the project include changing/shower facilities in accordance with the voluntary measures under the [California Green Building Standards Code](#) as shown in the table below?

Number of Tenant Occupants (Employees)	Shower/Changing Facilities Required	Two-Tier (12" X 15" X 72") Personal Effects Lockers Required
0-10	0	0
11-50	1 shower stall	2
51-100	1 shower stall	3
101-200	1 shower stall	4
Over 200	1 shower stall plus 1 additional shower stall for each 200 additional tenant-occupants	1 two-tier locker plus 1 two-tier locker for each 50 additional tenant-occupants

Check "N/A" only if the project is a residential project, or if it does not include nonresidential development that would accommodate over 10 tenant occupants (employees).

6. *Designated Parking Spaces*

If the project includes a nonresidential use in a TPA, would the project provide designated parking for a combination of low-emitting, fuel-efficient, and carpool/vanpool vehicles in accordance with the following table?

Number of Required Parking Spaces	Number of Designated Parking Spaces
0-9	0
10-25	2
26-50	4
51-75	6
76-100	9
101-150	11
151-200	18
201 and over	At least 10% of total

This measure does not cover electric vehicles. See Question 4 for electric vehicle parking requirements.

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces. The required designated parking spaces are to be provided within the overall minimum parking requirement, not in addition to it.

Check "N/A" only if the project is a residential project, or if it does not include nonresidential use in a TPA.

7. *Transportation Demand Management Program*

If the project would accommodate over 50 tenant-occupants (employees), would it include a transportation demand management program that would be applicable to existing tenants and future tenants that includes:

At least one of the following components:

- Parking cash out program
- Parking management plan that includes charging employees market-rate for single-occupancy vehicle parking and providing reserved, discounted, or free spaces for registered carpools or vanpools
- Unbundled parking whereby parking spaces would be leased or sold separately from the rental or purchase fees for the development for the life of the development

And at least three of the following components:

- Commitment to maintaining an employer network in the SANDAG iCommute program and promoting its RideMatcher service to tenants/employees
- On-site carsharing vehicle(s) or bikesharing
- Flexible or alternative work hours
- Telework program
- Transit, carpool, and vanpool subsidies
- Pre-tax deduction for transit or vanpool fares and bicycle commute costs
- Access to services that reduce the need to drive, such as cafes, commercial stores, banks, post offices, restaurants, gyms, or childcare, either onsite or within 1,320 feet (1/4 mile) of the structure/use?

Check "N/A" only if the project is a residential project or if it would not accommodate over 50 tenant-occupants (employees).

Step 3: Project CAP Conformance Evaluation (if applicable)

The third step of the CAP consistency review only applies if Step 1 is answered in the affirmative under option B. The purpose of this step is to determine whether a project that is located in a TPA but that includes a land use plan and/or zoning designation amendment is nevertheless consistent with the assumptions in the CAP because it would implement CAP Strategy 3 actions. In general, a project that would result in a reduction in density inside a TPA would not be consistent with Strategy 3. The following questions must each be answered in the affirmative and fully explained.

1. Would the proposed project implement the General Plan's City of Villages strategy in an identified Transit Priority Area (TPA) that will result in an increase in the capacity for transit-supportive residential and/or employment densities?

Considerations for this question:

- Does the proposed land use and zoning designation associated with the project provide capacity for transit-supportive residential densities within the TPA?
- Is the project site suitable to accommodate mixed-use village development, as defined in the General Plan, within the TPA?
- Does the land use and zoning associated with the project increase the capacity for transit-supportive employment intensities within the TPA?

2. Would the proposed project implement the General Plan's Mobility Element in Transit Priority Areas to increase the use of transit?

Considerations for this question:

- Does the proposed project support/incorporate identified transit routes and stops/stations?
- Does the project include transit priority measures?

3. Would the proposed project implement pedestrian improvements in Transit Priority Areas to increase walking opportunities?

Considerations for this question:

- Does the proposed project circulation system provide multiple and direct pedestrian connections and accessibility to local activity centers (such as transit stations, schools, shopping centers, and libraries)?
- Does the proposed project urban design include features for walkability to promote a transit supportive environment?

4. Would the proposed project implement the City of San Diego's Bicycle Master Plan to increase bicycling opportunities?

Considerations for this question:

- Does the proposed project circulation system include bicycle improvements consistent with the Bicycle Master Plan?
- Does the overall project circulation system provide a balanced, multimodal, "complete streets" approach to accommodate mobility needs of all users?

5. Would the proposed project incorporate implementation mechanisms that support Transit Oriented Development?

Considerations for this question:

- Does the proposed project include new or expanded urban public spaces such as plazas, pocket parks, or urban greens in the TPA?
- Does the land use and zoning associated with the proposed project increase the potential for jobs within the TPA?
- Do the zoning/implementing regulations associated with the proposed project support the efficient use of parking through mechanisms such as: shared parking, parking districts, unbundled parking, reduced parking, paid or time-limited parking, etc.?

6. Would the proposed project implement the Urban Forest Management Plan to increase urban tree canopy coverage?

Considerations for this question:

- Does the proposed project provide at least three different species for the primary, secondary and accent trees in order to accommodate varying parkway widths?
- Does the proposed project include policies or strategies for preserving existing trees?
- Does the proposed project incorporate tree planting that will contribute to the City's 20% urban canopy tree coverage goal?



CLIMATE ACTION PLAN CONSISTENCY CHECKLIST

ATTACHMENT A

This attachment provides performance standards for applicable Climate Action Plan (CAP) Consistency Checklist measures.

Table 1 Roof Design Values for Question 1: Cool/Green Roofs supporting Strategy 1: Energy & Water Efficient Buildings of the Climate Action Plan				
Land Use Type	Roof Slope	Minimum 3-Year Aged Solar Reflectance	Thermal Emittance	Solar Reflective Index
Low-Rise Residential	≤ 2:12	0.55	0.75	64
	> 2:12	0.20	0.75	16
High-Rise Residential Buildings, Hotels and Motels	≤ 2:12	0.55	0.75	64
	> 2:12	0.20	0.75	16
Non-Residential	≤ 2:12	0.55	0.75	64
	> 2:12	0.20	0.75	16

Source: Adapted from the [California Green Building Standards Code \(CALGreen\)](#) Tier 1 residential and non-residential voluntary measures shown in Tables A4.106.5.1 and A5.106.11.2.2, respectively. Roof installation and verification shall occur in accordance with the CALGreen Code.

CALGreen does not include recommended values for low-rise residential buildings with roof slopes of ≤ 2:12 for San Diego's climate zones (7 and 10). Therefore, the values for climate zone 15 that covers Imperial County are adapted here.

Solar Reflectance Index (SRI) equal to or greater than the values specified in this table may be used as an alternative to compliance with the aged solar reflectance values and thermal emittance.

Table 2 Fixture Flow Rates for Non-Residential Buildings related to Question 2: Plumbing Fixtures and Fittings supporting Strategy 1: Energy & Water Efficient Buildings of the Climate Action Plan

Fixture Type	Maximum Flow Rate
Showerheads	1.8 gpm @ 80 psi
Lavatory Faucets	0.35 gpm @60 psi
Kitchen Faucets	1.6 gpm @ 60 psi
Wash Fountains	1.6 [rim space(in.)/20 gpm @ 60 psi]
Metering Faucets	0.18 gallons/cycle
Metering Faucets for Wash Fountains	0.18 [rim space(in.)/20 gpm @ 60 psi]
Gravity Tank-type Water Closets	1.12 gallons/flush
Flushometer Tank Water Closets	1.12 gallons/flush
Flushometer Valve Water Closets	1.12 gallons/flush
Electromechanical Hydraulic Water Closets	1.12 gallons/flush
Urinals	0.5 gallons/flush

Source: Adapted from the [California Green Building Standards Code \(CALGreen\)](#) Tier 1 non-residential voluntary measures shown in Tables A5.303.2.3.1 and A5.106.11.2.2, respectively. See the [California Plumbing Code](#) for definitions of each fixture type.

Where complying faucets are unavailable, aerators rated at 0.35 gpm or other means may be used to achieve reduction.

Acronyms:

gpm = gallons per minute

psi = pounds per square inch (unit of pressure)

in. = inch

Table 3 Standards for Appliances and Fixtures for Commercial Application related to Question 2: Plumbing Fixtures and Fittings supporting Strategy 1: Energy & Water Efficient Buildings of the Climate Action Plan

Appliance/Fixture Type	Standard	
Clothes Washers	Maximum Water Factor (WF) that will reduce the use of water by 10 percent below the California Energy Commissions' WF standards for commercial clothes washers located in Title 20 of the <i>California Code of Regulations</i> .	
Conveyor-type Dishwashers	0.70 maximum gallons per rack (2.6 L) (High-Temperature)	0.62 maximum gallons per rack (4.4 L) (Chemical)
Door-type Dishwashers	0.95 maximum gallons per rack (3.6 L) (High-Temperature)	1.16 maximum gallons per rack (2.6 L) (Chemical)
Undercounter-type Dishwashers	0.90 maximum gallons per rack (3.4 L) (High-Temperature)	0.98 maximum gallons per rack (3.7 L) (Chemical)
Combination Ovens	Consume no more than 10 gallons per hour (38 L/h) in the full operational mode.	
Commercial Pre-rinse Spray Valves (manufactured on or after January 1, 2006)	Function at equal to or less than 1.6 gallons per minute (0.10 L/s) at 60 psi (414 kPa) and <ul style="list-style-type: none"> • Be capable of cleaning 60 plates in an average time of not more than 30 seconds per plate. • Be equipped with an integral automatic shutoff. • Operate at static pressure of at least 30 psi (207 kPa) when designed for a flow rate of 1.3 gallons per minute (0.08 L/s) or less. 	

Source: Adapted from the [California Green Building Standards Code](#) (CALGreen) Tier 1 non-residential voluntary measures shown in Section A5.303.3. See the [California Plumbing Code](#) for definitions of each appliance/fixture type.

Acronyms:

L = liter

L/h = liters per hour

L/s = liters per second

psi = pounds per square inch (unit of pressure)

kPa = kilopascal (unit of pressure)

ATTACHMENT

CalEEMod Outputs

Trip Generation

Proposed Project

Land Use	Size	Trip Rate
Truck Parking	32.47 acres	30 /acre
Single Tenant Office	6,480 sf	10 /ksf

ADT
975
65
1,040

Project Consistent with Land Use and Zoning Designations

Land Use	Size	Amount	Trip Rate
Park	16.75 acres	16.75 acres	5 /acre (Neighborhood/County park)
Industrial Park (IBT-1-1)	15.72 acres	340 ksf	8 /ksf (Industrial Park, No Commercial)
	32.47 acres		

ADT
84
2,720
2,804

Per Municipal Code 131.0606:

IBT allows for industrial and office uses

Per Municipal Code 131.0631:

Max floor area ratio in Otay Mesa in 0.5

0.5 FAR
 15.72 acres
 684,763 square feet
 342,382 square feet

Industrial Park Trip Rate Calc

	Weekday	Saturday	Sunday
CalEEMod Default	3.37	2.54	1.24
Adjusted	8	6.03	2.94

GHG Emissions

	Project Consistent with Industrial and Park Land Use and Zoning Designations	Proposed Truck Storage (Trucks accessed 7 days/week)	Proposed Truck Storage (Trucks accessed 6 days/week)	Proposed Truck Storage (Trucks accessed 5 days/week)	Proposed Truck Storage (Trucks accessed 4 days/week)	Proposed Truck Storage (Trucks accessed 3 days/week)	Proposed Truck Storage (Trucks accessed 2 days/week)	Proposed Truck Storage (Trucks accessed 1 days/week)
Vehicles	2,393	3,020	2,589	2,157	1,726	1,294	863	431
Energy	1,447	149	149	149	149	149	149	149
Area	0	0	0	0	0	0	0	0
Water	413	7	7	7	7	7	7	7
Waste	213	3	3	3	3	3	3	3
Construction (amortized over 30 years)	81	7	7	7	7	7	7	7
TOTAL	4,547	3,186	2,755	2,323	1,892	1,460	1,029	598

Note that as a truck storage facility, not all trucks would be in use every day. As a worst-case analysis, emissions were calculated assuming each truck would be used every day. For informational purposes, vehicle emissions were calculated assuming trucks would be use 1 through 6 days per week (post-CalEEMod calculations)

10034 Truck Storage - San Diego County APCD Air District, Annual

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

10034 Truck Storage

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6.48	1000sqft	0.00	6,480.00	0
Parking Lot	32.47	Acre	32.47	1,414,393.20	0

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.6 Precipitation Freq (Days) 40
 Climate Zone 13 Operational Year 2023

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr) 539.98 CH4 Intensity (lb/MW/hr) 0.033 N2O Intensity (lb/MW/hr) 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 32.47 acres truck parking
 6,480 square feet office

Construction Phase -

Vehicle Trips - Office - 10 trips/ksf
 Truck Parking - 30 trips/acre
 Trip type based on Industrial unrefrigerated warehouse no rail designation

Fleet Mix - Truck Storage - LHD1, LHD2, MHD, HHD
 Office Employees - LDA, LDT1, LDT2

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.1840e-003	0.00
tblFleetMix	HHD	6.1840e-003	0.14

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tblFleetMix	LDA	0.55	0.69
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.06	0.08
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.54
tblFleetMix	LHD2	6.2140e-003	0.00
tblFleetMix	LHD2	6.2140e-003	0.14
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	5.1640e-003	0.00
tblFleetMix	MH	5.1640e-003	0.00
tblFleetMix	MHD	8.4930e-003	0.00
tblFleetMix	MHD	8.4930e-003	0.19
tblFleetMix	OBUS	7.1500e-004	0.00
tblFleetMix	OBUS	7.1500e-004	0.00
tblFleetMix	SBUS	9.8200e-004	0.00
tblFleetMix	SBUS	9.8200e-004	0.00
tblFleetMix	UBUS	5.5600e-004	0.00
tblFleetMix	UBUS	5.5600e-004	0.00
tblLandUse	LotAcreage	0.15	0.00
tblVehicleTrips	CNW_TTP	0.00	41.00
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.21	10.00

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tblVehicleTrips	ST_TR	0.00	30.00
tblVehicleTrips	SU_TR	0.70	10.00
tblVehicleTrips	SU_TR	0.00	30.00
tblVehicleTrips	WD_TR	9.74	10.00
tblVehicleTrips	WD_TR	0.00	30.00

2.0 Emissions Summary

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	1.1395	1.1395
2	4-2-2023	7-1-2023	0.2352	0.2352
		Highest	1.1395	1.1395

2.2 Overall Operational

Unmitigated Operational

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.1735	0.0000	3.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004
Energy	7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	148.7140	148.7140	8.8000e-003	1.1800e-003	149.2848
Mobile	0.4024	5.1572	3.1482	0.0308	1.3739	0.0484	1.4223	0.3916	0.0462	0.4378	0.0000	2.929.086 ⁵	2.929.086 ⁵	0.0579	0.3002	3.019.980 ⁵
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	1.2240	0.0000	1.2240	0.0723	0.0000	3.0325
Water						0.0000	0.0000	0.0000	0.0000	0.0000	0.3654	5.5940	5.9593	0.0379	9.3000e-004	7.1825
Total	0.5766	5.1636	3.1539	0.0308	1.3739	0.0489	1.4228	0.3916	0.0467	0.4383	1.5894	3,083.395¹	3,084.984⁶	0.1769	0.3023	3,179.481¹

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

2.2 Overall Operational

Mitigated Operational

Category	tons/yr											MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Area	0.1735	0.0000	3.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.0000e-004	0.0000	0.0000	0.0000	0.0000	7.4000e-004
Energy	7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	148.7140	148.7140	8.8000e-003	1.1800e-003	1.1800e-003	149.2848
Mobile	0.4024	5.1572	3.1482	0.0308	1.3739	0.0484	1.4223	0.3916	0.0462	0.4378	0.0000	2.9290865	2.9290865	0.0579	0.3002	0.3002	3.019.9805
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	1.2240	0.0000	1.2240	0.0723	0.0000	0.0000	3.0325
Water						0.0000	0.0000	0.0000	0.0000	0.0000	0.3654	5.5940	5.9593	0.0379	9.3000e-004		7.1825
Total	0.5766	5.1636	3.1539	0.0308	1.3739	0.0489	1.4228	0.3916	0.0467	0.4383	1.5894	3.083.3951	3.084.9846	0.1769	0.3023	0.3023	3.179.4811

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/27/2023	5	20	
2	Grading	Grading	1/28/2023	3/31/2023	5	45	
3	Paving	Paving	4/1/2023	5/19/2023	5	35	

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Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 135

Acres of Paving: 32.47

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	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
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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Site Preparation - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2752	0.1824	3.8000e-004		0.0127	0.0127	0.0117	0.0117	0.0000	0.0000	33.4507	33.4507	0.0108	0.0000	33.7212
Total	0.0266	0.2752	0.1824	3.8000e-004	0.1966	0.0127	0.2092	0.1010	0.0117	0.1127	0.0000	33.4507	33.4507	0.0108	0.0000	33.7212

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669
Total	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669

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3.2 Site Preparation - 2023

Mitigated Construction On-Site

Category	tons/yr										MT/yr				CO2e	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4		N2O
Fugitive Dust					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2752	0.1824	3.8000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	33.4507	33.4507	0.0108	0.0000	33.7211
Total	0.0266	0.2752	0.1824	3.8000e-004	0.1966	0.0127	0.2092	0.1010	0.0117	0.1127	0.0000	33.4507	33.4507	0.0108	0.0000	33.7211

Mitigated Construction Off-Site

Category	tons/yr										MT/yr				CO2e	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4		N2O
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669
Total	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669

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3.3 Grading - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.2071	0.0000	0.2071	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0747	0.7766	0.6312	1.4000e-003	0.0321	0.0321	0.0321	0.0295	0.0295	0.0295	0.0000	122.7042	122.7042	0.0397	0.0000	123.6964
Total	0.0747	0.7766	0.6312	1.4000e-003	0.2071	0.0321	0.2391	0.0822	0.0295	0.1117	0.0000	122.7042	122.7042	0.0397	0.0000	123.6964

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171
Total	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171

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3.3 Grading - 2023

Mitigated Construction On-Site

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Fugitive Dust					0.2071	0.0000	0.2071	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0747	0.7766	0.6312	1.4000e-003	0.0321	0.0321	0.0321	0.0295	0.0295	0.0295	0.0000	122.7041	122.7041	0.0397	0.0000	123.6962
Total	0.0747	0.7766	0.6312	1.4000e-003	0.2071	0.0321	0.2391	0.0822	0.0295	0.1117	0.0000	122.7041	122.7041	0.0397	0.0000	123.6962

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171
Total	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171

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3.4 Paving - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0181	0.1784	0.2552	4.0000e-004	8.9300e-003	8.9300e-003	8.9300e-003	8.2100e-003	8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	0.0425				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	0.0606	0.1784	0.2552	4.0000e-004	8.9300e-003	8.9300e-003	8.9300e-003	8.2100e-003	8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	7.1000e-004	4.9000e-004	6.0000e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	1.0000e-004	1.0000e-005	5.6000e-004	0.0000	1.6866	1.6866	5.0000e-005	5.0000e-005	1.7017
Total	7.1000e-004	4.9000e-004	6.0000e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6866	1.6866	5.0000e-005	5.0000e-005	1.7017

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3.4 Paving - 2023

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0181	0.1784	0.2552	4.0000e-004	8.9300e-003	8.9300e-003	8.9300e-003	8.2100e-003	8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	0.0425				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	0.0606	0.1784	0.2552	4.0000e-004	8.9300e-003	8.9300e-003	8.9300e-003	8.2100e-003	8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	7.1000e-004	4.9000e-004	6.0000e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	1.0000e-005	5.6000e-004	5.7000e-004	0.0000	1.6866	1.6866	5.0000e-005	5.0000e-005	1.7017
Total	7.1000e-004	4.9000e-004	6.0000e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	1.0000e-005	5.7000e-004	5.7000e-004	0.0000	1.6866	1.6866	5.0000e-005	5.0000e-005	1.7017

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4024	5.1572	3.1482	0.0308	1.3739	0.0484	1.4223	0.3916	0.0462	0.4378	0.0000	2,929,086	2,929,086	0.0579	0.3002	3,019,980
Unmitigated	0.4024	5.1572	3.1482	0.0308	1.3739	0.0484	1.4223	0.3916	0.0462	0.4378	0.0000	2,929,086	2,929,086	0.0579	0.3002	3,019,980

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	64.80	64.80	64.80	154,856	154,856	154,856	154,856
Parking Lot	974.10	974.10	974.10	3,048,613	3,048,613	3,048,613	3,048,613
Total	1,038.90	1,038.90	1,038.90	3,203,469	3,203,469	3,203,469	3,203,469

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	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4	100	0	0
Parking Lot	9.50	7.30	7.30	59.00	0.00	41.00	100	0	0	100	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.694190	0.078751	0.227059	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.538932	0.137144	0.187442	0.136482	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	141.7877	141.7877	8.6700e-003	1.0500e-003	142.3173
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	141.7877	141.7877	8.6700e-003	1.0500e-003	142.3173
Natural Gas Mitigated	7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	6.9263	6.9263	1.3000e-004	1.3000e-004	6.9675
Natural Gas Unmitigated	7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	6.9263	6.9263	1.3000e-004	1.3000e-004	6.9675

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5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use kBTU/yr	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	129794	7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	6.9263	6.9263	1.3000e-004	1.3000e-004	6.9675
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	0.0000	0.0000
Total		7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	6.9263	6.9263	1.3000e-004	1.3000e-004	6.9675

Mitigated

Land Use	NaturalGas Use kBTU/yr	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	129794	7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	6.9263	6.9263	1.3000e-004	1.3000e-004	6.9675
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	0.0000	0.0000
Total		7.0000e-004	6.3600e-003	5.3400e-003	4.0000e-005	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	6.9263	6.9263	1.3000e-004	1.3000e-004	6.9675

10034 Truck Storage - San Diego County APCD Air District, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	83851.2	20.5377	1.2600e-003	1.5000e-004	20.6145
Parking Lot	495038	121.2500	7.4100e-003	9.0000e-004	121.7029
Total		141.7877	8.6700e-003	1.0500e-003	142.3173

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	83851.2	20.5377	1.2600e-003	1.5000e-004	20.6145
Parking Lot	495038	121.2500	7.4100e-003	9.0000e-004	121.7029
Total		141.7877	8.6700e-003	1.0500e-003	142.3173

6.0 Area Detail

10034 Truck Storage - San Diego County APCD Air District, Annual

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

6.1 Mitigation Measures Area

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.1735	0.0000	3.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004
Unmitigated	0.1735	0.0000	3.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004

6.2 Area by SubCategory

Unmitigated

SubCategory	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.0567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004
Total	0.1735	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004

10034 Truck Storage - San Diego County APCD Air District, Annual

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

6.2 Area by SubCategory

Mitigated

SubCategory	tons/yr											MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Architectural Coating	0.0567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004	0.0000
Total	0.1735	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.9593	0.0379	9.3000e-004	7.1825
Unmitigated	5.9593	0.0379	9.3000e-004	7.1825

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.15171 / 0.70589	5.9593	0.0379	9.3000e-004	7.1825
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.9593	0.0379	9.3000e-004	7.1825

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

7.2 Water by Land Use

Mitigated

Land Use	Mgal	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
General Office Building	1.15171 / 0.70589		5.9593	0.0379	9.3000e-004	7.1825
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Total			5.9593	0.0379	9.3000e-004	7.1825

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

Category/Year	Total CO2	CH4	N2O	CO2e
Mitigated	1.2240	0.0723	0.0000	3.0325
Unmitigated	1.2240	0.0723	0.0000	3.0325

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

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Office Building	6.03	1.2240	0.0723	0.0000	3.0325
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.2240	0.0723	0.0000	3.0325

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Office Building	6.03	1.2240	0.0723	0.0000	3.0325
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.2240	0.0723	0.0000	3.0325

9.0 Operational Offroad

10034 Truck Storage - San Diego County APCD Air District, Annual

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

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

10034 Truck Storage - San Diego County APCD Air District, Winter

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

10034 Truck Storage

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6.48	1000sqft	0.00	6,480.00	0
Parking Lot	32.47	Acre	32.47	1,414,393.20	0

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.6 Precipitation Freq (Days) 40
 Climate Zone 13 Operational Year 2023

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr) 539.98 CH4 Intensity (lb/MW/hr) 0.033 N2O Intensity (lb/MW/hr) 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 32.47 acres truck parking
 6,480 square feet office

Construction Phase -

Vehicle Trips - Office - 10 trips/ksf
 Truck Parking - 30 trips/acre
 Trip type based on Industrial unrefrigerated warehouse no rail designation

Fleet Mix - Truck Storage - LHD1, LHD2, MHD, HHD
 Office Employees - LDA, LDT1, LDT2

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.1840e-003	0.00
tblFleetMix	HHD	6.1840e-003	0.14

10034 Truck Storage - San Diego County APCD Air District, Winter

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

tblFleetMix	LDA	0.55	0.69
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.06	0.08
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.54
tblFleetMix	LHD2	6.2140e-003	0.00
tblFleetMix	LHD2	6.2140e-003	0.14
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	5.1640e-003	0.00
tblFleetMix	MH	5.1640e-003	0.00
tblFleetMix	MHD	8.4930e-003	0.00
tblFleetMix	MHD	8.4930e-003	0.19
tblFleetMix	OBUS	7.1500e-004	0.00
tblFleetMix	OBUS	7.1500e-004	0.00
tblFleetMix	SBUS	9.8200e-004	0.00
tblFleetMix	SBUS	9.8200e-004	0.00
tblFleetMix	UBUS	5.5600e-004	0.00
tblFleetMix	UBUS	5.5600e-004	0.00
tblLandUse	LotAcreage	0.15	0.00
tblVehicleTrips	CNW_TTP	0.00	41.00
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.21	10.00

10034 Truck Storage - San Diego County APCD Air District, Winter

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

tblVehicleTrips	ST_TR	0.00	30.00
tblVehicleTrips	SU_TR	0.70	10.00
tblVehicleTrips	SU_TR	0.00	30.00
tblVehicleTrips	WD_TR	9.74	10.00
tblVehicleTrips	WD_TR	0.00	30.00

2.0 Emissions Summary

10034 Truck Storage - San Diego County APCD Air District, Winter

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

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Energy	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
Mobile	2.2425	28.4073	17.3777	0.1694	7.7082	0.2664	7.9746	2.1909	0.2542	2.4451		17,763.94	17,763.94	0.3504	1.8220	18,315.65
Total	3.1969	28.4422	17.4109	0.1697	7.7082	0.2690	7.9773	2.1909	0.2569	2.4478		17,805.78	17,805.78	0.3512	1.8228	18,357.74

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Energy	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
Mobile	2.2425	28.4073	17.3777	0.1694	7.7082	0.2664	7.9746	2.1909	0.2542	2.4451		17,763.94	17,763.94	0.3504	1.8220	18,315.65
Total	3.1969	28.4422	17.4109	0.1697	7.7082	0.2690	7.9773	2.1909	0.2569	2.4478		17,805.78	17,805.78	0.3512	1.8228	18,357.74

10034 Truck Storage - San Diego County APCD Air District, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/27/2023	5	20	
2	Grading	Grading	1/28/2023	3/31/2023	5	45	
3	Paving	Paving	4/1/2023	5/19/2023	5	35	

Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 135

Acres of Paving: 32.47

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	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
Paving	Pavers	2	8.00	130	0.42

10034 Truck Storage - San Diego County APCD Air District, Winter

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

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381	1.2660	1.2660	1.2660	1.1647	1.1647	1.1647		3.687.308	3.687.308	1.1926		3,717.121
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308	3,687.308	1.1926		3,717.121

10034 Truck Storage - San Diego County APCD Air District, Winter

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

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	126.3637	126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200
Total	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	126.3637	126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660	1.1647	1.1647	1.1647	0.0000	3.687.308	3.687.308	1.1926		3,717.121
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308	3,687.308	1.1926		3,717.121

10034 Truck Storage - San Diego County APCD Air District, Winter

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

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	126.3637	126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200
Total	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	126.3637	126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200

3.3 Grading - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245	1.3105		1.3105	6,011.477 ₇	6,011.477 ₇	6,011.477 ₇	1.9442		6,060.083 ₆
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	6,011.477₇	6,011.477₇	6,011.477₇	1.9442		6,060.083₆

10034 Truck Storage - San Diego County APCD Air District, Winter

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

3.3 Grading - 2023

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0593	0.0382	0.4573	1.3700e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	140.4041	140.4041	4.2400e-003	3.9600e-003	141.6889	
Total	0.0593	0.0382	0.4573	1.3700e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	140.4041	140.4041	4.2400e-003	3.9600e-003	141.6889	

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245	1.3105	1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

10034 Truck Storage - San Diego County APCD Air District, Winter

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

3.3 Grading - 2023

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0593	0.0382	0.4573	1.3700e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	140.4041	140.4041	140.4041	4.2400e-003	3.9600e-003	141.6889
Total	0.0593	0.0382	0.4573	1.3700e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	140.4041	140.4041	140.4041	4.2400e-003	3.9600e-003	141.6889

3.4 Paving - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 ₁	2,207.584 ₁	0.7140		2,225.433 ₆
Paving	2.4306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4634	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584₁	2,207.584₁	0.7140		2,225.433₆

10034 Truck Storage - San Diego County APCD Air District, Winter

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

3.4 Paving - 2023

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0445	0.0287	0.3430	1.0300e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	105.3031	105.3031	105.3031	3.1800e-003	2.9700e-003	106.2666
Total	0.0445	0.0287	0.3430	1.0300e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	105.3031	105.3031	105.3031	3.1800e-003	2.9700e-003	106.2666

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 ₁	2,207.584 ₁	0.7140		2,225.433 ₆
Paving	2.4306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4634	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584₁	2,207.584₁	0.7140		2,225.433₆

10034 Truck Storage - San Diego County APCD Air District, Winter

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

3.4 Paving - 2023

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0445	0.0287	0.3430	1.0300e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	105.3031	105.3031	3.1800e-003	3.1800e-003	2.9700e-003	106.2666
Total	0.0445	0.0287	0.3430	1.0300e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	105.3031	105.3031	3.1800e-003	3.1800e-003	2.9700e-003	106.2666

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

10034 Truck Storage - San Diego County APCD Air District, Winter

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

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	2.2425	28.4073	17.3777	0.1694	7.7082	0.2664	7.9746	2.1909	0.2542	2.4451	17,763.94	11	17,763.94	0.3504	1.8220	18,315.65
Unmitigated	2.2425	28.4073	17.3777	0.1694	7.7082	0.2664	7.9746	2.1909	0.2542	2.4451	17,763.94	11	17,763.94	0.3504	1.8220	18,315.65

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Office Building	64.80	64.80	64.80	154,856	154,856
Parking Lot	974.10	974.10	974.10	3,048,613	3,048,613
Total	1,038.90	1,038.90	1,038.90	3,203,469	3,203,469

4.3 Trip Type Information

Land Use	Miles										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	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4				
Parking Lot	9.50	7.30	7.30	59.00	0.00	41.00	100	0	0				

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.694190	0.078751	0.227059	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.538932	0.137144	0.187442	0.136482	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

10034 Truck Storage - San Diego County APCD Air District, Winter

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
NaturalGas Mitigated	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
NaturalGas Unmitigated	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	lb/day																
General Office Building	355.601	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
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	0.0000
Total		3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840

10034 Truck Storage - San Diego County APCD Air District, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

Land Use	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
lb/day																	
General Office Building	0.355601	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	41.8354	41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
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	0.0000	0.0000
Total		3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	41.8354	41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	8.5200e-003	8.5200e-003	8.5200e-003	2.0000e-005	2.0000e-005	9.0800e-003
Unmitigated	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	8.5200e-003	8.5200e-003	8.5200e-003	2.0000e-005	2.0000e-005	9.0800e-003

10034 Truck Storage - San Diego County APCD Air District, Winter

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

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.3106					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6397					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Total	0.9506	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003

10034 Truck Storage - San Diego County APCD Air District, Winter

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

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.3106					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6397					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Total	0.9506	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

10034 Truck Storage - San Diego County APCD Air District, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

10034 Truck Storage - San Diego County APCD Air District, Summer

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

10034 Truck Storage

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6.48	1000sqft	0.00	6,480.00	0
Parking Lot	32.47	Acre	32.47	1,414,393.20	0

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.6 Precipitation Freq (Days) 40
 Climate Zone 13 Operational Year 2023

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr) 539.98 CH4 Intensity (lb/MW/hr) 0.033 N2O Intensity (lb/MW/hr) 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 32.47 acres truck parking
 6,480 square feet office

Construction Phase -

Vehicle Trips - Office - 10 trips/ksf
 Truck Parking - 30 trips/acre
 Trip type based on Industrial unrefrigerated warehouse no rail designation

Fleet Mix - Truck Storage - LHD1, LHD2, MHD, HHD
 Office Employees - LDA, LDT1, LDT2

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.1840e-003	0.00
tblFleetMix	HHD	6.1840e-003	0.14

10034 Truck Storage - San Diego County APCD Air District, Summer

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

tblFleetMix	LDA	0.55	0.69
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.06	0.08
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.54
tblFleetMix	LHD2	6.2140e-003	0.00
tblFleetMix	LHD2	6.2140e-003	0.14
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	5.1640e-003	0.00
tblFleetMix	MH	5.1640e-003	0.00
tblFleetMix	MHD	8.4930e-003	0.00
tblFleetMix	MHD	8.4930e-003	0.19
tblFleetMix	OBUS	7.1500e-004	0.00
tblFleetMix	OBUS	7.1500e-004	0.00
tblFleetMix	SBUS	9.8200e-004	0.00
tblFleetMix	SBUS	9.8200e-004	0.00
tblFleetMix	UBUS	5.5600e-004	0.00
tblFleetMix	UBUS	5.5600e-004	0.00
tblLandUse	LotAcreage	0.15	0.00
tblVehicleTrips	CNW_TTP	0.00	41.00
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.21	10.00

10034 Truck Storage - San Diego County APCD Air District, Summer

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

tblVehicleTrips	ST_TR	0.00	30.00
tblVehicleTrips	SU_TR	0.70	10.00
tblVehicleTrips	SU_TR	0.00	30.00
tblVehicleTrips	WD_TR	9.74	10.00
tblVehicleTrips	WD_TR	0.00	30.00

2.0 Emissions Summary

10034 Truck Storage - San Diego County APCD Air District, Summer

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

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	8.5200e-003	8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Energy	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	41.8354	41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
Mobile	2.2238	27.3159	17.3456	0.1695	7.7082	0.2660	7.9742	2.1909	0.2539	2.4448	17,771.60	17,771.60	17,771.60	0.3516	1.8121	18,320.39
Total	3.1782	27.3508	17.3789	0.1697	7.7082	0.2687	7.9769	2.1909	0.2566	2.4474	17,813.44	17,813.44	17,813.44	0.3524	1.8129	18,362.49

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	8.5200e-003	8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Energy	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	41.8354	41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
Mobile	2.2238	27.3159	17.3456	0.1695	7.7082	0.2660	7.9742	2.1909	0.2539	2.4448	17,771.60	17,771.60	17,771.60	0.3516	1.8121	18,320.39
Total	3.1782	27.3508	17.3789	0.1697	7.7082	0.2687	7.9769	2.1909	0.2566	2.4474	17,813.44	17,813.44	17,813.44	0.3524	1.8129	18,362.49

10034 Truck Storage - San Diego County APCD Air District, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/27/2023	5	20	
2	Grading	Grading	1/28/2023	3/31/2023	5	45	
3	Paving	Paving	4/1/2023	5/19/2023	5	35	

Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 135

Acres of Paving: 32.47

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	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
Paving	Pavers	2	8.00	130	0.42

10034 Truck Storage - San Diego County APCD Air District, Summer

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

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381	1.2660	1.2660	1.2660	1.1647	1.1647	1.1647		3.687.308	3.687.308	1.1926		3,717.121
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308	3,687.308	1.1926		3,717.121

10034 Truck Storage - San Diego County APCD Air District, Summer

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

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	133.7136	133.7136	3.5800e-003	3.2900e-003	3.2900e-003	134.7841
Total	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	133.7136	133.7136	3.5800e-003	3.2900e-003	3.2900e-003	134.7841

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660	1.1647	1.1647	1.1647	0.0000	3.687.308 ₁	3.687.308 ₁	1.1926		3,717.121 ₉
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308₁	3,687.308₁	1.1926		3,717.121₉

10034 Truck Storage - San Diego County APCD Air District, Summer

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

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	133.7136	133.7136	3.5800e-003	3.2900e-003	3.2900e-003	134.7841
Total	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400	133.7136	133.7136	3.5800e-003	3.2900e-003	3.2900e-003	134.7841

3.3 Grading - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245	1.3105	1.3105	1.3105	6,011.477 ₇	6,011.477 ₇	6,011.477 ₇	1.9442		6,060.083 ₆
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	6,011.477₇	6,011.477₇	6,011.477₇	1.9442		6,060.083₆

10034 Truck Storage - San Diego County APCD Air District, Summer

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

3.3 Grading - 2023

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0547	0.0340	0.4813	1.4500e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	148.5707	148.5707	148.5707	3.9800e-003	3.6600e-003	149.7602
Total	0.0547	0.0340	0.4813	1.4500e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	148.5707	148.5707	148.5707	3.9800e-003	3.6600e-003	149.7602

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245	1.3105	1.3105	1.3105	0.0000	6,011.477 ₇	6,011.477 ₇	1.9442		6,060.083 ₆
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.477₇	6,011.477₇	1.9442		6,060.083₆

10034 Truck Storage - San Diego County APCD Air District, Summer

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

3.3 Grading - 2023

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0547	0.0340	0.4813	1.4500e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	148.5707	148.5707	3.9800e-003	3.6600e-003	3.6600e-003	149.7602
Total	0.0547	0.0340	0.4813	1.4500e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444	148.5707	148.5707	3.9800e-003	3.6600e-003	3.6600e-003	149.7602

3.4 Paving - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 ₁	2,207.584 ₁	0.7140		2,225.433 ₆
Paving	2.4306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4634	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584₁	2,207.584₁	0.7140		2,225.433₆

10034 Truck Storage - San Diego County APCD Air District, Summer

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

3.4 Paving - 2023

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0410	0.0255	0.3610	1.0900e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	111.4280	111.4280	111.4280	2.9800e-003	2.7400e-003	112.3201
Total	0.0410	0.0255	0.3610	1.0900e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	111.4280	111.4280	111.4280	2.9800e-003	2.7400e-003	112.3201

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 ₁	2,207.584 ₁	0.7140		2,225.433 ₆
Paving	2.4306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.4634	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584₁	2,207.584₁	0.7140		2,225.433₆

10034 Truck Storage - San Diego County APCD Air District, Summer

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

3.4 Paving - 2023

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0410	0.0255	0.3610	1.0900e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	111.4280	111.4280	111.4280	2.9800e-003	2.7400e-003	112.3201
Total	0.0410	0.0255	0.3610	1.0900e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333	111.4280	111.4280	111.4280	2.9800e-003	2.7400e-003	112.3201

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

10034 Truck Storage - San Diego County APCD Air District, Summer

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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	2.2238	27.3159	17.3456	0.1695	7.7082	0.2660	7.9742	2.1909	0.2539	2.4448	17,771.60	17,771.60	17,771.60	0.3516	1.8121	18,320.39
Unmitigated	2.2238	27.3159	17.3456	0.1695	7.7082	0.2660	7.9742	2.1909	0.2539	2.4448	17,771.60	17,771.60	17,771.60	0.3516	1.8121	18,320.39

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Office Building	64.80	64.80	64.80	154,856	154,856
Parking Lot	974.10	974.10	974.10	3,048,613	3,048,613
Total	1,038.90	1,038.90	1,038.90	3,203,469	3,203,469

4.3 Trip Type Information

Land Use	Miles										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	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4				
Parking Lot	9.50	7.30	7.30	59.00	0.00	41.00	100	0	0				

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.694190	0.078751	0.227059	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.538932	0.137144	0.187442	0.136482	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

10034 Truck Storage - San Diego County APCD Air District, Summer

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
NaturalGas Mitigated	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
NaturalGas Unmitigated	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	lb/day																
General Office Building	355.601	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
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	0.0000
Total		3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003		41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840

10034 Truck Storage - San Diego County APCD Air District, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

Land Use	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
lb/day																	
General Office Building	0.355601	3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	41.8354	41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840
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	0.0000	0.0000
Total		3.8300e-003	0.0349	0.0293	2.1000e-004	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	41.8354	41.8354	41.8354	8.0000e-004	7.7000e-004	42.0840

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	8.5200e-003	8.5200e-003	8.5200e-003	2.0000e-005	2.0000e-005	9.0800e-003
Unmitigated	0.9506	4.0000e-005	3.9800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	8.5200e-003	8.5200e-003	8.5200e-003	2.0000e-005	2.0000e-005	9.0800e-003

10034 Truck Storage - San Diego County APCD Air District, Summer

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

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.3106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6397					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Total	0.9506	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003

10034 Truck Storage - San Diego County APCD Air District, Summer

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

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.3106					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6397					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003
Total	0.9506	4.0000e-005	3.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.5200e-003	8.5200e-003	2.0000e-005		9.0800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

10034 Truck Storage - San Diego County APCD Air District, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

10034 Park and Industrial - San Diego County APCD Air District, Annual

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

10034 Park and Industrial

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	340.00	1000sqft	15.72	340,000.00	0
City Park	16.75	Acre	16.75	729,630.00	0

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.6 Precipitation Freq (Days) 40
 Climate Zone 13 Operational Year 2023

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr) 539.98 CH4 Intensity (lb/MW/hr) 0.033 N2O Intensity (lb/MW/hr) 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 16.75 acre Park
 340,000 square foot/15.72 acre Industrial Park

Construction Phase -

Vehicle Trips - Park - 20 trips/acre
 Industrial - 8 trips/ksf

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	7.81	15.72
tblVehicleTrips	ST_TR	1.96	20.00
tblVehicleTrips	ST_TR	2.54	6.03
tblVehicleTrips	SU_TR	2.19	20.00

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

tblVehicleTrips	SU_TR	1.24	2.94
tblVehicleTrips	WD_TR	0.78	20.00
tblVehicleTrips	WD_TR	3.37	8.00

2.0 Emissions Summary

10034 Park and Industrial - San Diego County APCD Air District, Annual

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

2.1 Overall Construction

Unmitigated Construction

Year	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2023	0.3949	3.2951	3.6793	0.0110	0.8731	0.1194	0.9924	0.3106	0.1114	0.4220	0.0000	1,009.844 6	1,009.844 6	0.1230	0.0575	1,030.044 7
2024	0.3683	2.8710	3.7263	0.0121	0.6239	0.0889	0.7128	0.1693	0.0836	0.2529	0.0000	1,124.145 4	1,124.145 4	0.0961	0.0752	1,148.962 1
2025	4.0198	0.6201	0.9200	2.5100e-003	0.1171	0.0210	0.1382	0.0317	0.0197	0.0514	0.0000	232.3523	232.3523	0.0275	0.0123	236.7110
Maximum	4.0198	3.2951	3.7263	0.0121	0.8731	0.1194	0.9924	0.3106	0.1114	0.4220	0.0000	1,124.145 4	1,124.145 4	0.1230	0.0752	1,148.962 1

Mitigated Construction

Year	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2023	0.3949	3.2951	3.6793	0.0110	0.8731	0.1194	0.9924	0.3106	0.1114	0.4220	0.0000	1,009.844 1	1,009.844 1	0.1230	0.0575	1,030.044 3
2024	0.3683	2.8710	3.7263	0.0121	0.6239	0.0889	0.7128	0.1693	0.0836	0.2529	0.0000	1,124.145 0	1,124.145 0	0.0961	0.0752	1,148.961 7
2025	4.0198	0.6201	0.9200	2.5100e-003	0.1171	0.0210	0.1382	0.0317	0.0197	0.0514	0.0000	232.3523	232.3523	0.0275	0.0123	236.7108
Maximum	4.0198	3.2951	3.7263	0.0121	0.8731	0.1194	0.9924	0.3106	0.1114	0.4220	0.0000	1,124.145 0	1,124.145 0	0.1230	0.0752	1,148.961 7

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

	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)				Maximum Mitigated ROG + NOX (tons/quarter)									
1	1-2-2023	4-1-2023	1.1438				1.1438				1.1438					
2	4-2-2023	7-1-2023	0.8339				0.8339				0.8339					
3	7-2-2023	10-1-2023	0.8433				0.8433				0.8433					
4	10-2-2023	1-1-2024	0.8593				0.8593				0.8593					
5	1-2-2024	4-1-2024	0.8091				0.8091				0.8091					
6	4-2-2024	7-1-2024	0.7932				0.7932				0.7932					
7	7-2-2024	10-1-2024	0.8021				0.8021				0.8021					
8	10-2-2024	1-1-2025	0.8177				0.8177				0.8177					
9	1-2-2025	4-1-2025	0.5981				0.5981				0.5981					
10	4-2-2025	7-1-2025	4.0268				4.0268				4.0268					
		Highest	4.0268				4.0268				4.0268					

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

2.2 Overall Operational
Unmitigated Operational

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Area	1.7290	3.0000e-005	3.2800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	0.0000	6.7900e-003
Energy	0.0367	0.3338	0.2804	2.0000e-003	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0000	1.441.0158	1,441.0158	0.0728	0.0147	1,447.2006	
Mobile	1.3507	1.5123	12.3494	0.0252	2.6003	0.0201	2.6204	0.6940	0.0187	0.7127	0.0000	2.355.8992	2,355.8992	0.1733	0.1094	2,392.8296	
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	85.8733	0.0000	85.8733	5.0750	0.0000	212.7475	
Water						0.0000	0.0000	0.0000	0.0000	0.0000	24.9441	305.0618	330.0059	2.5806	0.0628	413.2226	
Total	3.1165	1.8462	12.6331	0.0272	2.6003	0.0454	2.6458	0.6940	0.0441	0.7381	110.8174	4,101.9831	4,212.8005	7.9017	0.1868	4,466.0070	

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

2.2 Overall Operational

Mitigated Operational

Category	tons/yr											MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Area	1.7290	3.0000e-005	3.2800e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	0.0000	6.7900e-003
Energy	0.0367	0.3338	0.2804	2.0000e-003	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0000	1,441.0158	1,441.0158	0.0728	0.0147	1,447.2006	
Mobile	1.3507	1.5123	12.3494	0.0252	2.6003	0.0201	2.6204	0.6940	0.0187	0.7127	0.0000	2,355.8992	2,355.8992	0.1733	0.1094	2,392.8296	
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	85.8733	0.0000	85.8733	5.0750	0.0000	212.7475	
Water						0.0000	0.0000	0.0000	0.0000	0.0000	24.9441	305.0618	330.0059	2.5806	0.0628	413.2226	
Total	3.1165	1.8462	12.6331	0.0272	2.6003	0.0454	2.6458	0.6940	0.0441	0.7381	110.8174	4,101.9831	4,212.8005	7.9017	0.1868	4,466.0070	

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/27/2023	5	20	
2	Grading	Grading	1/28/2023	3/31/2023	5	45	
3	Building Construction	Building Construction	4/1/2023	2/28/2025	5	500	

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

4	Paving	3/1/2025	4/18/2025	5'	35
5	Architectural Coating	4/19/2025	6/6/2025	5'	35

Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 135

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 510,000; Non-Residential Outdoor: 170,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	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	7.00	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	7.00	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	6.00	78	0.48

Trips and VMT

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	449.00	175.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	90.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2752	0.1824	3.8000e-004	0.0127	0.0127	0.0127	0.0117	0.0117	0.0117	0.0000	33.4507	33.4507	0.0108	0.0000	33.7212
Total	0.0266	0.2752	0.1824	3.8000e-004	0.1966	0.0127	0.2092	0.1010	0.0117	0.1127	0.0000	33.4507	33.4507	0.0108	0.0000	33.7212

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

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669
Total	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2752	0.1824	3.8000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	33.4507	33.4507	0.0108	0.0000	33.7211
Total	0.0266	0.2752	0.1824	3.8000e-004	0.1966	0.0127	0.2092	0.1010	0.0117	0.1127	0.0000	33.4507	33.4507	0.0108	0.0000	33.7211

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

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669
Total	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669

3.3 Grading - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.2071	0.0000	0.2071	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0747	0.7766	0.6312	1.4000e-003	0.0321	0.0321	0.0321	0.0295	0.0295	0.0295	0.0000	122.7042	122.7042	0.0397	0.0000	123.6964
Total	0.0747	0.7766	0.6312	1.4000e-003	0.2071	0.0321	0.2391	0.0822	0.0295	0.1117	0.0000	122.7042	122.7042	0.0397	0.0000	123.6964

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

3.3 Grading - 2023

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171
Total	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.2071	0.0000	0.2071	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0747	0.7766	0.6312	1.4000e-003		0.0321	0.0321		0.0295	0.0295	0.0000	122.7041	122.7041	0.0397	0.0000	123.6962
Total	0.0747	0.7766	0.6312	1.4000e-003	0.2071	0.0321	0.2391	0.0822	0.0295	0.1117	0.0000	122.7041	122.7041	0.0397	0.0000	123.6962

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3.3 Grading - 2023

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171
Total	1.2200e-003	8.4000e-004	0.0103	3.0000e-005	3.6100e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.8913	2.8913	8.0000e-005	8.0000e-005	2.9171

3.4 Building Construction - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1533	1.4025	1.5838	2.6300e-003	0.0682	0.0682	0.0682	0.0642	0.0642	0.0642	0.0000	226.0096	226.0096	0.0538	0.0000	227.3537
Total	0.1533	1.4025	1.5838	2.6300e-003	0.0682	0.0682	0.0682	0.0642	0.0642	0.0642	0.0000	226.0096	226.0096	0.0538	0.0000	227.3537

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0200	0.7575	0.2671	3.5000e-003	0.1133	4.4700e-003	0.1178	0.0327	4.2700e-003	0.0370	0.0000	342.3597	342.3597	0.0104	0.0496	357.4014
Worker	0.1185	0.0820	1.0003	3.0300e-003	0.3511	1.9300e-003	0.3530	0.0933	1.7800e-003	0.0951	0.0000	281.2725	281.2725	8.2400e-003	7.7500e-003	283.7881
Total	0.1385	0.8395	1.2675	6.5300e-003	0.4644	6.4000e-003	0.4708	0.1260	6.0500e-003	0.1321	0.0000	623.6322	623.6322	0.0186	0.0574	641.1895

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1533	1.4025	1.5838	2.6300e-003	0.0682	0.0682	0.0682	0.0642	0.0642	0.0642	0.0000	226.0094	226.0094	0.0538	0.0000	227.3535
Total	0.1533	1.4025	1.5838	2.6300e-003	0.0682	0.0682	0.0682	0.0642	0.0642	0.0642	0.0000	226.0094	226.0094	0.0538	0.0000	227.3535

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

3.4 Building Construction - 2023

Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0200	0.7575	0.2671	3.5000e-003	0.1133	4.4700e-003	0.1178	0.0327	4.2700e-003	0.0370	0.0000	342.3597	342.3597	0.0104	0.0496	357.4014
Worker	0.1185	0.0820	1.0003	3.0300e-003	0.3511	1.9300e-003	0.3530	0.0933	1.7800e-003	0.0951	0.0000	281.2725	281.2725	8.2400e-003	7.7500e-003	283.7881
Total	0.1385	0.8395	1.2675	6.5300e-003	0.4644	6.4000e-003	0.4708	0.1260	6.0500e-003	0.1321	0.0000	623.6322	623.6322	0.0186	0.0574	641.1895

3.4 Building Construction - 2024

Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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3.4 Building Construction - 2024

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0259	1.0108	0.3507	4.6100e-003	0.1522	6.0300e-003	0.1583	0.0440	5.7700e-003	0.0497	0.0000	451.9790	451.9790	0.0142	0.0655	471.8486
Worker	0.1496	0.0991	1.2578	3.9400e-003	0.4717	2.4800e-003	0.4742	0.1253	2.2800e-003	0.1276	0.0000	368.4441	368.4441	0.0101	9.7300e-003	371.5956
Total	0.1755	1.1099	1.6085	8.5500e-003	0.6239	8.5100e-003	0.6324	0.1693	8.0500e-003	0.1773	0.0000	820.4231	820.4231	0.0243	0.0752	843.4442

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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

3.4 Building Construction - 2024

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0259	1.0108	0.3507	4.6100e-003	0.1522	6.0300e-003	0.1583	0.0440	5.7700e-003	0.0497	0.0000	451.9790	451.9790	0.0142	0.0655	471.8486
Worker	0.1496	0.0991	1.2578	3.9400e-003	0.4717	2.4800e-003	0.4742	0.1253	2.2800e-003	0.1276	0.0000	368.4441	368.4441	0.0101	9.7300e-003	371.5956
Total	0.1755	1.1099	1.6085	8.5500e-003	0.6239	8.5100e-003	0.6324	0.1693	8.0500e-003	0.1773	0.0000	820.4231	820.4231	0.0243	0.0752	843.4442

3.4 Building Construction - 2025

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0294	0.2681	0.3458	5.8000e-004	0.0113	0.0113	0.0113	0.0107	0.0107	0.0107	0.0000	49.8627	49.8627	0.0117	0.0000	50.1557
Total	0.0294	0.2681	0.3458	5.8000e-004	0.0113	0.0113	0.0113	0.0107	0.0107	0.0107	0.0000	49.8627	49.8627	0.0117	0.0000	50.1557

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

3.4 Building Construction - 2025

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1200e-003	0.1643	0.0566	7.4000e-004	0.0250	9.9000e-004	0.0260	7.2100e-003	9.4000e-004	8.1600e-003	0.0000	72.7658	72.7658	2.3900e-003	0.0105	75.9655
Worker	0.0232	0.0147	0.1939	6.2000e-004	0.0774	3.9000e-004	0.0778	0.0206	3.6000e-004	0.0209	0.0000	58.9929	58.9929	1.5100e-003	1.5000e-003	59.4773
Total	0.0273	0.1790	0.2505	1.3600e-003	0.1024	1.3800e-003	0.1038	0.0278	1.3000e-003	0.0291	0.0000	131.7587	131.7587	3.9000e-003	0.0120	135.4428

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0294	0.2681	0.3458	5.8000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	49.8626	49.8626	0.0117	0.0000	50.1557
Total	0.0294	0.2681	0.3458	5.8000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	49.8626	49.8626	0.0117	0.0000	50.1557

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3.4 Building Construction - 2025

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1200e-003	0.1643	0.0566	7.4000e-004	0.0250	9.9000e-004	0.0260	7.2100e-003	9.4000e-004	8.1600e-003	0.0000	72.7658	72.7658	2.3900e-003	0.0105	75.9655
Worker	0.0232	0.0147	0.1939	6.2000e-004	0.0774	3.9000e-004	0.0778	0.0206	3.6000e-004	0.0209	0.0000	58.9929	58.9929	1.5100e-003	1.5000e-003	59.4773
Total	0.0273	0.1790	0.2505	1.3600e-003	0.1024	1.3800e-003	0.1038	0.0278	1.3000e-003	0.0291	0.0000	131.7587	131.7587	3.9000e-003	0.0120	135.4428

3.5 Paving - 2025

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0160	0.1502	0.2551	4.0000e-004		7.3200e-003	7.3200e-003		6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3170
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0160	0.1502	0.2551	4.0000e-004		7.3200e-003	7.3200e-003		6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3170

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3.5 Paving - 2025

Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.3000e-004	4.0000e-004	5.2700e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6042	1.6042	4.0000e-005	4.0000e-005	1.6173
Total	6.3000e-004	4.0000e-004	5.2700e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6042	1.6042	4.0000e-005	4.0000e-005	1.6173

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0160	0.1502	0.2551	4.0000e-004	7.3200e-003	7.3200e-003	7.3200e-003	6.7400e-003	6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3169
Paving	0.0000				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	0.0160	0.1502	0.2551	4.0000e-004	7.3200e-003	7.3200e-003	7.3200e-003	6.7400e-003	6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3169

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3.5 Paving - 2025

Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.3000e-004	4.0000e-004	5.2700e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6042	1.6042	4.0000e-005	4.0000e-005	1.6173
Total	6.3000e-004	4.0000e-004	5.2700e-003	2.0000e-005	2.1100e-003	1.0000e-005	2.1200e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6042	1.6042	4.0000e-005	4.0000e-005	1.6173

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	3.9398					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	3.9427	0.0201	0.0317	5.0000e-005	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743

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3.6 Architectural Coating - 2025
Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.7800e-003	2.4000e-003	0.0316	1.0000e-004	0.0126	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4100e-003	0.0000	9.6249	9.6249	2.5000e-004	2.4000e-004	9.7039
Total	3.7800e-003	2.4000e-003	0.0316	1.0000e-004	0.0126	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4100e-003	0.0000	9.6249	9.6249	2.5000e-004	2.4000e-004	9.7039

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	3.9398					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	3.9427	0.0201	0.0317	5.0000e-005	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743

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3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

Category	tons/yr										MT/yr				CO2e	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4		N2O
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.7800e-003	2.4000e-003	0.0316	1.0000e-004	0.0126	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4100e-003	0.0000	9.6249	9.6249	2.5000e-004	2.4000e-004	9.7039
Total	3.7800e-003	2.4000e-003	0.0316	1.0000e-004	0.0126	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4100e-003	0.0000	9.6249	9.6249	2.5000e-004	2.4000e-004	9.7039

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	1.3507	1.5123	12.3494	0.0252	2.6003	0.0201	2.6204	0.6940	0.0187	0.7127	0.0000	2,355,899	2,355,899	0.1733	0.1094	2,392,829
Unmitigated	1.3507	1.5123	12.3494	0.0252	2.6003	0.0201	2.6204	0.6940	0.0187	0.7127	0.0000	2,355,899	2,355,899	0.1733	0.1094	2,392,829

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
City Park	335.00	335.00	335.00	715,176	715,176	715,176	715,176
Industrial Park	2,720.00	2,050.20	999.60	6,236,131	6,236,131	6,236,131	6,236,131
Total	3,055.00	2,385.20	1,334.60	6,951,307	6,951,307	6,951,307	6,951,307

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	H-O or C-C	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6				
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2				

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164
Industrial Park	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164

5.0 Energy Detail

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Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,077.5976	1,077.5976	0.0659	7.9800e-003	1,081.6228
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,077.5976	1,077.5976	0.0659	7.9800e-003	1,081.6228
NaturalGas Mitigated	0.0367	0.3338	0.2804	2.0000e-003		0.0254	0.0254		0.0254	0.0254	0.0000	363.4182	363.4182	6.9700e-003	6.6600e-003	365.5778
NaturalGas Unmitigated	0.0367	0.3338	0.2804	2.0000e-003		0.0254	0.0254		0.0254	0.0254	0.0000	363.4182	363.4182	6.9700e-003	6.6600e-003	365.5778

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5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use kBTU/yr	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Industrial Park	6.8102e+006	0.0367	0.3338	0.2804	2.0000e-003	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0000	363.4182	6.9700e-003	6.6600e-003	365.5778	
Total		0.0367	0.3338	0.2804	2.0000e-003	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0000	363.4182	6.9700e-003	6.6600e-003	365.5778	

Mitigated

Land Use	NaturalGas Use kBTU/yr	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Industrial Park	6.8102e+006	0.0367	0.3338	0.2804	2.0000e-003	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0000	363.4182	6.9700e-003	6.6600e-003	365.5778	
Total		0.0367	0.3338	0.2804	2.0000e-003	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0000	363.4182	6.9700e-003	6.6600e-003	365.5778	

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5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
City Park	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	4.3996e+006	1,077.5976	0.0659	7.9800e-003	1,081.6228
Total		1,077.5976	0.0659	7.9800e-003	1,081.6228

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
City Park	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	4.3996e+006	1,077.5976	0.0659	7.9800e-003	1,081.6228
Total		1,077.5976	0.0659	7.9800e-003	1,081.6228

6.0 Area Detail

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6.1 Mitigation Measures Area

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	1.7290	3.0000e-005	3.2800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	6.7900e-003
Unmitigated	1.7290	3.0000e-005	3.2800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	6.7900e-003

6.2 Area by SubCategory

Unmitigated

SubCategory	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.3940					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	6.7900e-003
Total	1.7290	3.0000e-005	3.2800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	6.7900e-003

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6.2 Area by SubCategory

Mitigated

SubCategory	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.3940					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	6.7900e-003
Total	1.7290	3.0000e-005	3.2800e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	6.3700e-003	6.3700e-003	2.0000e-005	0.0000	6.7900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	330.0059	2.5806	0.0628	413.2226
Unmitigated	330.0059	2.5806	0.0628	413.2226

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
City Park	0 / 19.9573	54.3075	3.3200e-003	4.0000e-004	54.5103
Industrial Park	78.625 / 0	275.6984	2.5773	0.0624	358.7123
Total		330.0059	2.5806	0.0628	413.2226

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7.2 Water by Land Use

Mitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
City Park	0 / 19.9573	54.3075	3.3200e-003	4.0000e-004	54.5103
Industrial Park	78.625 / 0	275.6984	2.5773	0.0624	358.7123
Total		330.0059	2.5806	0.0628	413.2226

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

Category/Year	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	85.8733	5.0750	0.0000	212.7475
Unmitigated	85.8733	5.0750	0.0000	212.7475

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8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	1.44	0.2923	0.0173	0.0000	0.7242
Industrial Park	421.6	85.5810	5.0577	0.0000	212.0233
Total		85.8733	5.0750	0.0000	212.7475

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	1.44	0.2923	0.0173	0.0000	0.7242
Industrial Park	421.6	85.5810	5.0577	0.0000	212.0233
Total		85.8733	5.0750	0.0000	212.7475

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation