



Technical Memorandum

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Date: September 2, 2022 **Revised December 5, 2020**

Re: Adelanto TTM20549 – 114 SFR Development Project - Air Quality/GHG Assessment

1.0 Purpose

The purpose of this memorandum is to document the results of the air quality (AQ) and greenhouse gas (GHG) emissions assessment as it relates to the potential environmental impacts associated with the construction and operation of the proposed 114 lot residential project on 30.15 acres.

2.0 Project Location & Description

- 2.1 Project Location:** The proposed project site is located in the City of Adelanto, San Bernardino, California on the west side of Aster Road, north of Cabrillo Street, and south of Villa Street, and is referred to as APNs: 3132-081-02, 07, and 08.
- 2.2 Description:** The Applicant is proposing a tentative tract map to subdivide approximately 30.15 acres into 114 single-family residential lots with a minimum lot size of 7,200 square feet.

3.0 Air Quality & Greenhouse Gas (GHG) Assessment

- 3.1 Determination of Significance:** The criteria used to determine the significance related to potential Project related air quality and greenhouse gas emission impacts is based on the California Environmental Quality Act (CEQA) Environmental Checklist, Appendix G Thresholds:

3.1.1 Air Quality / GHG Impacts:

Would the Project: Conflict with or obstruct implementation of the applicable air quality plan?

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

Would the Project: Expose sensitive receptors to substantial pollutant concentrations?

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

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

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

3.1.2 Air Quality / GHG Thresholds:

The Mojave Desert Air Quality Management District (MDAQMD) has developed regional significance thresholds for regulated pollutants as well as GHG emissions. The MDAQMD's CEQA Guidelines provide significance thresholds as indicted in Table 3.1 below.

Table 3.1 – Emissions Significance Thresholds

Criteria Pollutant / Emission	Annual Threshold (Tons)	Daily Threshold (pounds)
Carbon Monoxide (CO)	100	548
Oxides of Nitrogen (NOx)	25	137
Reactive Organic Gases (ROG)	25	137
Sulfur Oxides (Sox)	25	137
Particulate Matter 10 microns (PM10)	15	82
Particulate Matter 2.5 microns (PM2.5)	12	65
Carbon Dioxide Equivalent (CO2e) for GHG.	100,000	548,000

3.2 Construction Emissions: Construction emissions for the Project were estimated by using the California Emissions Estimator Model (CalEEMod) 2020.4.0, which is a statewide land use emissions computer model designed to provide a uniform platform for government agencies to quantify potential criteria pollutant emissions associated with both construction and operations emissions. CalEEMod is authorized for use to assess project emissions by the Mojave Desert Air Quality Management District (MDAQMD). Construction emissions are summarized in Table 3.2.

Construction emissions were based on CalEEMod Land Uses for 98 "Single Family Housing" units and 6.35 acres of "Other Asphalt Surfaces" for associated internal roadway development. Construction was estimated for a 955-day construction schedule, with default values used for the schedule, each construction phase including site preparation, grading, building construction, paving, and architectural coating as well as defaults for off-road construction equipment. Peak emissions represent the highest value from the summer or winter modeling as a worse-case scenario. MDAQMD significance thresholds were used for determining the project's impacts.

Table 3.2 - Summary of Peak Construction Emissions (No Mitigation)

Year	Emissions (lbs/day)					
	ROG	NOX	CO	SOX	PM10	PM2.5
Construction 2022	3.70	38.89	29.66	0.06	21.42	11.63
Construction 2023	3.40	34.55	28.62	0.06	10.80	5.00
Construction 2024	2.07	15.60	21.08	0.05	2.26	1.04
Construction 2025	1.92	14.57	20.69	0.05	2.17	0.96
Construction 2026	21.03	8.60	14.92	0.02	0.54	0.42
Maximum Daily Emissions	21.03	38.89	29.66	0.06	21.42	11.63
MDAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod 2020.4.0 Datasheets.

3.3 Operational Emissions: Operational emissions for the Project were estimated by using the California Emissions Estimator Model (CalEEMod) which is a statewide land use emissions computer model designed to provide a uniform platform for government agencies to quantify potential criteria pollutant emissions associated with both construction and operations emissions. CalEEMod is authorized for use to assess project emissions by the Mojave Desert Air Quality Management District (MDAQMD). Operations emissions include stationary (residence emissions), mobile (transportation emissions), and area (on-going architectural coatings, consumer product use, landscaping maintenance emissions). Default values were used with the exception of selecting “no wood burning hearths”. MDAQMD significance thresholds were used for determining the project’s impacts. Operation emissions are summarized in Table 3.3.

Table 3.3 - Summary of Peak Operational Emissions

Maximum Daily Emissions	Emissions (lbs/day)					
	ROG ⁽¹⁾	NOX	CO	SOX	PM10 ⁽¹⁾	PM2.5 ⁽¹⁾
Maximum Daily Emissions	8.90	5.40	41.33	0.07	6.89	1.91
MDAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod 2020.4.0 Datasheets.

⁽¹⁾ No fireplaces/hearthths.

3.3.1 Operational Emissions Mitigation Measure:

MM AQ-1 Prohibition of Fireplaces: *The installation of wood-burning and natural gas fireplaces shall be prohibited. The purpose of this measure is to limit emissions of ROG, NOX, particulate matter and visible emissions from wood-burning and natural gas fireplaces used for supplemental heat, or ambiance and does not apply to HVAC systems. This prohibition shall be noted on the deed and/or lease agreements for future property owners/tenants to obey.*

3.4 Greenhouse Gas Emissions (GHG): GHG emissions for the Project were estimated by using the California Emissions Estimator Model (CalEEMod) which is a statewide land use emissions computer model designed to provide a uniform platform for government agencies to quantify potential criteria pollutant emissions associated with both construction and operations emissions. CalEEMod is authorized for use to assess project emissions by the Mojave Desert Air Quality Management District (MDAQMD). MDAQMD significance thresholds were used for determining the project's impacts. The CalEEMod program outputs annual CO₂e emissions in Metric Tons per year (MTCO₂e/Year), however the MDAQMD threshold is in tons per year (Tons/Year), therefore the emissions results in the tables are included as both MTCO₂e/Year and CO₂e Tons/Year. Construction and operation emissions are presented in Table 3.4 and summarized in Table 3.5.

Table 3.4 - Project Greenhouse Gas Emissions

Source	GHG Emissions MT/yr			
	N ₂ O	CO ₂	CH ₄	CO ₂ e
Area	0.000	1.383	0.001	1.416
Energy	0.004	331.11	0.017	334.96
Mobile Sources	0.055	1,028.63	0.059	1,046.53
Solid Waste	0.000	23.30	11380	57.73
Water/Wastewater	0.005	24.70	0.210	31.48
30-year Amortized Construction GHG				19.53
TOTAL		<i>Tons/Year / Metric Tons / Year</i>		<i>1,491.65 / 1,352.20</i>
MDAQMD Threshold		<i>100,000 Tons/Year / 90,718.5 MT/Year¹</i>		100,000/90,718.5
Exceed Threshold?				NO

Table 3.5 - Project Greenhouse Gas Emissions Summary

GHG Emissions Source	Daily Emissions	Daily Threshold	Annual Emissions Tons / Metric Tons	Annual Threshold Tons/Metric Tons	Exceeds Threshold?
Construction 2022	6,217.2	548,000	212.7 / 193.0	100,000 / 90,718.5	NO
Construction 2023	6,212.9	548,000	645.8 / 585.9	100,000 / 90,718.5	NO
Construction 2024	4,878.0	548,000	626.7 / 568.5	100,000 / 90,718.5	NO
Construction 2025	4,825.9	548,000	596.1 / 540.8	100,000 / 90,718.5	NO
Construction 2026	2,330.8	548,000	55.9 / 50.8	100,000 / 90,718.5	NO
Operations	7,995.22	548,000	1,491.65 / 1,352.20	100,000 / 90,718.5	NO

¹ CalEEMod GHG Emissions for GHG CO₂e is calculated in Metric Tons (MT) per year.

- 3.5 Objectionable Odors:** Potential odor sources associated with the Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's long-term operational uses.

The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required.

- 3.6 Sensitive Receptors:** A sensitive receptor is a person in the population who is particularly susceptible to health effects due to exposure to an air contaminant. The following are land uses (sensitive sites) where sensitive receptors are typically located:

- Schools, playgrounds, and childcare centers
- Long-term health care facilities
- Rehabilitation centers
- Convalescent centers
- Hospitals
- Retirement homes
- Residences

The closest sensitive receptors to the Project site include:

- Columbia Middle School located approximately 850 feet southeast from the southeast corner of the site and approximately 1,200 feet from the center of the site.
- Single family residential development located across Aster Road to the east and across Cabrillo Street from the southern boundary of the site.

The properties immediately adjacent to the north and west surrounding the Project site are vacant undeveloped parcels, additionally, the nearest sensitive receptors are residential uses located adjacent to Aster Road to the east and Cabrillo Street to the south of the Project and as such the Project would be compatible with surrounding land uses and would not adversely impact sensitive receptors.

The Project is a residential subdivision and does not produce toxic air emissions such as those generated by industrial manufacturing uses or uses that generate heavy-duty diesel truck emissions.

According to the MDAQMD CEQA and Federal Conformity Guidelines, the following project types proposed for sites within the specified distance to an existing or planned (zoned) sensitive receptor land use must be evaluated:

- Any industrial project within 1,000 feet;
- A distribution center (40 or more trucks per day) within 1,000 feet;
- A major transportation project (50,000 or more vehicles per day) within 1,000 feet;

- A dry cleaner using perchloroethylene within 500 feet; and,
- A gasoline dispensing facility within 300 feet.

The Project is a proposal to subdivide the property into 98 single-family lots. The Project does not meet the criteria listed above. As such, no impact will occur.

3.7 Cumulative Impacts: The project area is designated as a non-attainment area for ozone and a non-attainment area for PM_{2.5} and PM₁₀. The Project would comply with the mandatory requirements of MDAQMD's Rule 403 (fugitive dust control) during construction, as well as all other adopted AQMP emissions control measures. The project also is required to comply with California Code of Regulations Title 13, Division 3, and specifically its Chapter 1, Article 4.5, Section 2025, "Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen and Other Criteria Pollutants, from In- Use Heavy-Duty Diesel-Fueled Vehicles" and its Chapter 10, Article 1, Section 2485, "Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling." Per MDAQMD rules and mandates, and California Code of Regulation requirements, as well as the CEQA requirement that significant impacts be mitigated to the extent feasible, these same requirements are imposed on all projects in the Mojave Desert Air Basin.

In determining whether or not the project would result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors), the non-attainment pollutants of concern for this impact are ozone, PM_{2.5} and PM₁₀. In developing the thresholds of significance for air pollutants disclosed above the MDAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions.

As shown in Tables 3.2 through 3.5 above, the project does not exceed the identified significance thresholds, as such, emissions would not be cumulatively considerable

3.8 Conformity and Consistency: The following analysis is consistent with the preferred analysis approach recommended by the MDAQMD *California Environmental Quality Act (CEQA) and Federal Conformity Guidelines*

3.8.1 Conformity with Air Quality Management Plans: The Project is located within the Mojave Desert Air Basin and under the jurisdiction of the Mojave Desert Air Quality Management District. Under the Federal Clean Air Act the Mojave Desert Air Quality Management District has adopted a variety of attainment plans (i.e., "Air Quality Management Plans") for a variety of non-attainment pollutants. A complete list of the various air quality management plans is available from the Mojave Desert Air Quality Management District located at 14306 Park Avenue, Victorville, CA 92392 or on their website at: <https://www.mdaqmd.gov/rules/overview>

The Mojave Desert Air Quality Management District is responsible for maintaining and ensuring compliance with the various Air Quality Management Plans. Conformity is determined based on the following criteria:

- A project is non-conforming if it conflicts with or delays implementation of any applicable attainment or maintenance plan. A project may also be non-conforming if it increases the gross number of dwelling units, increases the number of trips, and/or increases the overall vehicle miles traveled in an affected area (relative to the applicable land use plan).
- A project is conforming if it complies with all applicable Mojave Desert Air Quality Management District rules and regulations, complies with all proposed control measures that are not yet adopted from the applicable plan(s), and is consistent with the growth forecasts in the applicable plan(s) (or is directly included in the applicable plan).

3.8.2 Consistency with Emission Thresholds: As shown in Tables 3.2 through and 3.5, the Project would not exceed Mojave Desert Air Quality Management District significance thresholds for any criteria pollutant during construction or during long-term operation. Accordingly, the Project's air quality emissions are less than significant.

3.8.3 Consistency with Control Measures: The construction contractors are required to comply with rules, regulations, and control measures to control fugitive dust from grading (Rule 403) and the application of architectural coatings during building construction (Rule 1113).

3.8.4 Consistency with Growth Forecasts: The Project site is currently designated as Single Family Residential (R-1) by the General Plan Land Use & Zoning Map. The R-1 zone district is intended for the development of single-family detached as well as attached housing at a density of up to four (4.) units per gross acre (du/ac). Development at this density requires full urban levels of service and public improvements. The R-1 land use designation was the land use designation that was used by the MDAQMD to generate the growth forecasts for the air quality plans referenced above and would be consistent with the growth assumptions used in the MDAQMD plans.

4.0 Conclusion

Based on the assessment in Section 3.0 all estimated Project emissions for construction and operations are below the MDAQMD significance threshold levels and as such impacts to the environment for Air Quality and Greenhouse Gases are less than significant. Additionally, the proposed Project will not conflict with any air quality or GHG plans.



KPC EHS Consultants, LLC

APPENDIX A

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**TTM 20549- Adelanto- Update**
Mojave Desert AQMD Air District, Summer**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.35	Acre	6.35	276,606.00	0
Single Family Housing	114.00	Dwelling Unit	37.01	205,200.00	326

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage per site plan.

Construction Phase - No demolition phase;

Trips and VMT -

Grading - Acres graded and import per earthwork volume ananalysis

Architectural Coating - VOC per MDAQMD Rules

Woodstoves - No wood fireplaces

Area Coating - VOC per MDAQMD Rules

Construction Off-road Equipment Mitigation - Construction mitigation for fugitive dust

Area Mitigation - No fireplaces

Water Mitigation -

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintParkingValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	10
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	53.90	0.00
tblFireplaces	NumberNoFireplace	9.80	98.00
tblFireplaces	NumberWood	34.30	0.00
tblWoodstoves	NumberCatalytic	4.90	0.00
tblWoodstoves	NumberNoncatalytic	4.90	0.00

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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

tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7041	38.8878	29.6616	0.0636	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,167.164 2	6,167.164 2	1.9488	4.2700e- 003	6,217.157 0
2023	3.3948	34.5546	28.6182	0.0636	9.3679	1.4253	10.7932	3.6973	1.3113	5.0086	0.0000	6,163.077 6	6,163.077 6	1.9484	0.1879	6,212.959 2
2024	2.0654	15.5891	21.0768	0.0486	1.6203	0.6381	2.2584	0.4384	0.6004	1.0389	0.0000	4,807.835 5	4,807.835 5	0.6374	0.1821	4,878.024 2
2025	1.9231	14.5677	20.6863	0.0480	1.6203	0.5520	2.1723	0.4384	0.5195	0.9579	0.0000	4,757.550 7	4,757.550 7	0.7162	0.1766	4,825.966 0
2026	21.0269	8.6026	14.9205	0.0238	0.2464	0.4190	0.5422	0.0654	0.3855	0.4182	0.0000	2,312.200 3	2,312.200 3	0.7160	4.7800e- 003	2,330.812 8
Maximum	21.0269	38.8878	29.6616	0.0636	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,167.164 2	6,167.164 2	1.9488	0.1879	6,217.157 0

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7041	38.8878	29.6616	0.0636	7.7884	1.6357	9.4017	3.9729	1.5049	5.4571	0.0000	6,167.164 2	6,167.164 2	1.9488	4.2700e- 003	6,217.157 0
2023	3.3948	34.5546	28.6182	0.0636	3.7251	1.4253	5.1504	1.4615	1.3113	2.7728	0.0000	6,163.077 6	6,163.077 6	1.9484	0.1879	6,212.959 2
2024	2.0654	15.5891	21.0768	0.0486	1.3506	0.6381	1.9887	0.3722	0.6004	0.9727	0.0000	4,807.835 5	4,807.835 5	0.6374	0.1821	4,878.024 2
2025	1.9231	14.5677	20.6863	0.0480	1.3506	0.5520	1.9026	0.3722	0.5195	0.8917	0.0000	4,757.550 7	4,757.550 7	0.7162	0.1766	4,825.966 0
2026	21.0269	8.6026	14.9205	0.0238	0.2036	0.4190	0.5208	0.0549	0.3855	0.4129	0.0000	2,312.200 3	2,312.200 3	0.7160	4.7800e- 003	2,330.812 8
Maximum	21.0269	38.8878	29.6616	0.0636	7.7884	1.6357	9.4017	3.9729	1.5049	5.4571	0.0000	6,167.164 2	6,167.164 2	1.9488	0.1879	6,217.157 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.85	0.00	49.00	57.83	0.00	44.84	0.00	0.00	0.00	0.00	0.00	0.00

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427
Energy	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Mobile	3.7501	4.4823	31.5858	0.0660	6.5191	0.0548	6.5739	1.7378	0.0515	1.7892		6,825.6371	6,825.6371	0.3508	0.3285	6,932.3069
Total	8.9303	5.4048	41.3341	0.0717	6.5191	0.1727	6.6918	1.7378	0.1694	1.9072	0.0000	7,881.9646	7,881.9646	0.3870	0.3476	7,995.2174

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427
Energy	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Mobile	3.7501	4.4823	31.5858	0.0660	6.5191	0.0548	6.5739	1.7378	0.0515	1.7892		6,825.6371	6,825.6371	0.3508	0.3285	6,932.3069
Total	8.9303	5.4048	41.3341	0.0717	6.5191	0.1727	6.6918	1.7378	0.1694	1.9072	0.0000	7,881.9646	7,881.9646	0.3870	0.3476	7,995.2174

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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
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	9/12/2022	10/21/2022	5	30	
2	Grading	Grading	10/22/2022	2/3/2023	5	75	
3	Building Construction	Building Construction	2/4/2023	12/5/2025	5	740	
4	Paving	Paving	12/6/2025	2/20/2026	5	55	
5	Architectural Coating	Architectural Coating	2/21/2026	5/8/2026	5	55	

Acres of Grading (Site Preparation Phase): 45**Acres of Grading (Grading Phase): 225****Acres of Paving: 6.35****Residential Indoor: 357,210; Residential Outdoor: 119,070; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,596 (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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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

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

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	151.00	56.00	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	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0713	0.0399	0.5581	1.3800e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		140.1783	140.1783	4.1600e-003	3.8400e-003	141.4271
Total	0.0713	0.0399	0.5581	1.3800e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		140.1783	140.1783	4.1600e-003	3.8400e-003	141.4271

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0713	0.0399	0.5581	1.3800e-003	0.1222	7.5000e-004	0.1229	0.0329	6.9000e-004	0.0336		140.1783	140.1783	4.1600e-003	3.8400e-003	141.4271
Total	0.0713	0.0399	0.5581	1.3800e-003	0.1222	7.5000e-004	0.1229	0.0329	6.9000e-004	0.0336		140.1783	140.1783	4.1600e-003	3.8400e-003	141.4271

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0792	0.0443	0.6201	1.5300e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		155.7537	155.7537	4.6200e-003	4.2700e-003	157.1412
Total	0.0792	0.0443	0.6201	1.5300e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		155.7537	155.7537	4.6200e-003	4.2700e-003	157.1412

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0792	0.0443	0.6201	1.5300e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		155.7537	155.7537	4.6200e-003	4.2700e-003	157.1412
Total	0.0792	0.0443	0.6201	1.5300e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		155.7537	155.7537	4.6200e-003	4.2700e-003	157.1412

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					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	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		6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0731	0.0390	0.5670	1.4800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.5999	151.5999	4.1500e-003	3.9300e-003	152.8756
Total	0.0731	0.0390	0.5670	1.4800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.5999	151.5999	4.1500e-003	3.9300e-003	152.8756

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		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	3.5894	1.4245	5.0139	1.4250	1.3105	2.7355	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0731	0.0390	0.5670	1.4800e-003	0.1357	7.8000e-004	0.1365	0.0366	7.2000e-004	0.0373		151.5999	151.5999	4.1500e-003	3.9300e-003	152.8756
Total	0.0731	0.0390	0.5670	1.4800e-003	0.1357	7.8000e-004	0.1365	0.0366	7.2000e-004	0.0373		151.5999	151.5999	4.1500e-003	3.9300e-003	152.8756

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0863	1.9061	0.9751	0.0111	0.3798	0.0194	0.3992	0.1094	0.0185	0.1279		1,162.4220	1,162.4220	5.1500e-003	0.1582	1,209.6925
Worker	0.5515	0.2946	4.2810	0.0112	1.2404	5.8700e-003	1.2463	0.3290	5.4100e-003	0.3344		1,144.5794	1,144.5794	0.0313	0.0297	1,154.2108
Total	0.6379	2.2007	5.2560	0.0222	1.6203	0.0252	1.6455	0.4384	0.0239	0.4624		2,307.0014	2,307.0014	0.0365	0.1879	2,363.9033

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0863	1.9061	0.9751	0.0111	0.3258	0.0194	0.3452	0.0961	0.0185	0.1147		1,162.4220	1,162.4220	5.1500e-003	0.1582	1,209.6925
Worker	0.5515	0.2946	4.2810	0.0112	1.0248	5.8700e-003	1.0307	0.2761	5.4100e-003	0.2815		1,144.5794	1,144.5794	0.0313	0.0297	1,154.2108
Total	0.6379	2.2007	5.2560	0.0222	1.3506	0.0252	1.3759	0.3722	0.0239	0.3962		2,307.0014	2,307.0014	0.0365	0.1879	2,363.9033

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0833	1.8842	0.9402	0.0108	0.3798	0.0193	0.3991	0.1094	0.0184	0.1278		1,137.0980	1,137.0980	4.9000e-003	0.1546	1,183.2775
Worker	0.5105	0.2612	3.9698	0.0108	1.2404	5.5500e-003	1.2460	0.3290	5.1100e-003	0.3341		1,115.0386	1,115.0386	0.0282	0.0275	1,123.9390
Total	0.5938	2.1454	4.9100	0.0216	1.6203	0.0248	1.6451	0.4384	0.0235	0.4620		2,252.1366	2,252.1366	0.0331	0.1821	2,307.2165

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0833	1.8842	0.9402	0.0108	0.3258	0.0193	0.3451	0.0961	0.0184	0.1146		1,137.0980	1,137.0980	4.9000e-003	0.1546	1,183.2775
Worker	0.5105	0.2612	3.9698	0.0108	1.0248	5.5500e-003	1.0304	0.2761	5.1100e-003	0.2812		1,115.0386	1,115.0386	0.0282	0.0275	1,123.9390
Total	0.5938	2.1454	4.9100	0.0216	1.3506	0.0248	1.3754	0.3722	0.0235	0.3958		2,252.1366	2,252.1366	0.0331	0.1821	2,307.2165

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0813	1.8645	0.9169	0.0106	0.3798	0.0192	0.3990	0.1094	0.0184	0.1277		1,113.715 4	1,113.715 4	4.7500e-003	0.1510	1,158.835 7
Worker	0.4744	0.2335	3.6848	0.0104	1.2404	5.2700e-003	1.2457	0.3290	4.8500e-003	0.3339		1,087.360 9	1,087.360 9	0.0254	0.0256	1,095.632 2
Total	0.5557	2.0980	4.6017	0.0210	1.6203	0.0245	1.6447	0.4384	0.0232	0.4616		2,201.076 3	2,201.076 3	0.0302	0.1766	2,254.467 9

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0813	1.8645	0.9169	0.0106	0.3258	0.0192	0.3450	0.0961	0.0184	0.1145		1,113.715 4	1,113.715 4	4.7500e-003	0.1510	1,158.835 7
Worker	0.4744	0.2335	3.6848	0.0104	1.0248	5.2700e-003	1.0301	0.2761	4.8500e-003	0.2810		1,087.360 9	1,087.360 9	0.0254	0.0256	1,095.632 2
Total	0.5557	2.0980	4.6017	0.0210	1.3506	0.0245	1.3751	0.3722	0.0232	0.3954		2,201.076 3	2,201.076 3	0.0302	0.1766	2,254.467 9

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0232	0.3660	1.0400e-003	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		108.0160	108.0160	2.5200e-003	2.5500e-003	108.8376
Total	0.0471	0.0232	0.3660	1.0400e-003	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		108.0160	108.0160	2.5200e-003	2.5500e-003	108.8376

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0232	0.3660	1.0400e-003	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		108.0160	108.0160	2.5200e-003	2.5500e-003	108.8376
Total	0.0471	0.0232	0.3660	1.0400e-003	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		108.0160	108.0160	2.5200e-003	2.5500e-003	108.8376

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0440	0.0209	0.3425	1.0000e-003	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		105.4551	105.4551	2.2900e-003	2.3900e-003	106.2250
Total	0.0440	0.0209	0.3425	1.0000e-003	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		105.4551	105.4551	2.2900e-003	2.3900e-003	106.2250

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0440	0.0209	0.3425	1.0000e-003	0.1018	5.0000e-004	0.1023	0.0274	4.6000e-004	0.0279		105.4551	105.4551	2.2900e-003	2.3900e-003	106.2250
Total	0.0440	0.0209	0.3425	1.0000e-003	0.1018	5.0000e-004	0.1023	0.0274	4.6000e-004	0.0279		105.4551	105.4551	2.2900e-003	2.3900e-003	106.2250

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.7680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	20.9389	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0880	0.0419	0.6850	2.0100e-003	0.2464	9.9000e-004	0.2474	0.0654	9.1000e-004	0.0663		210.9102	210.9102	4.5800e-003	4.7800e-003	212.4500
Total	0.0880	0.0419	0.6850	2.0100e-003	0.2464	9.9000e-004	0.2474	0.0654	9.1000e-004	0.0663		210.9102	210.9102	4.5800e-003	4.7800e-003	212.4500

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.7680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	20.9389	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0880	0.0419	0.6850	2.0100e-003	0.2036	9.9000e-004	0.2046	0.0549	9.1000e-004	0.0558		210.9102	210.9102	4.5800e-003	4.7800e-003	212.4500
Total	0.0880	0.0419	0.6850	2.0100e-003	0.2036	9.9000e-004	0.2046	0.0549	9.1000e-004	0.0558		210.9102	210.9102	4.5800e-003	4.7800e-003	212.4500

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.7501	4.4823	31.5858	0.0660	6.5191	0.0548	6.5739	1.7378	0.0515	1.7892		6,825.637 1	6,825.637 1	0.3508	0.3285	6,932.306 9
Unmitigated	3.7501	4.4823	31.5858	0.0660	6.5191	0.0548	6.5739	1.7378	0.0515	1.7892		6,825.637 1	6,825.637 1	0.3508	0.3285	6,932.306 9

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,076.16	1,087.56	974.70	3,019,883	3,019,883
Total	1,076.16	1,087.56	974.70	3,019,883	3,019,883

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Single Family Housing	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
NaturalGas Unmitigated	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8834.83	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Total		0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.83483	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Total		0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678

6.0 Area Detail

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427
Unmitigated	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2827	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521		16.9364	16.9364	0.0163		17.3427
Total	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2827	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521		16.9364	16.9364	0.0163		17.3427
Total	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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

Institute Recycling and Composting Services

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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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

TTM 20549- Adelanto- Update
Mojave Desert AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.35	Acre	6.35	276,606.00	0
Single Family Housing	114.00	Dwelling Unit	37.01	205,200.00	326

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage per site plan.
- Construction Phase - No demolition phase;
- Trips and VMT -
- Grading - Acres graded and import per earthwork volume ananalysis
- Architectural Coating - VOC per MDAQMD Rules
- Woodstoves - No wood fireplaces
- Area Coating - VOC per MDAQMD Rules
- Construction Off-road Equipment Mitigation - Construction mitigation for fugitive dust
- Area Mitigation - No fireplaces
- Water Mitigation -

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintParkingValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	10
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	53.90	0.00
tblFireplaces	NumberNoFireplace	9.80	98.00
tblFireplaces	NumberWood	34.30	0.00
tblWoodstoves	NumberCatalytic	4.90	0.00
tblWoodstoves	NumberNoncatalytic	4.90	0.00

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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

tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6961	38.8890	29.5357	0.0634	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,149.751 1	6,149.751 1	1.9489	4.3400e- 003	6,199.767 3
2023	3.3876	34.5557	28.5045	0.0634	9.3679	1.4253	10.7932	3.6973	1.3113	5.0086	0.0000	6,146.177 6	6,146.177 6	1.9485	0.1891	6,196.080 8
2024	2.0107	15.7176	20.3220	0.0474	1.6203	0.6382	2.2584	0.4384	0.6005	1.0389	0.0000	4,687.070 8	4,687.070 8	0.6379	0.1832	4,757.608 0
2025	1.8726	14.6940	19.9943	0.0469	1.6203	0.5521	2.1723	0.4384	0.5195	0.9579	0.0000	4,640.086 2	4,640.086 2	0.7163	0.1777	4,708.833 6
2026	21.0187	8.6031	14.8534	0.0237	0.2464	0.4190	0.5422	0.0654	0.3855	0.4182	0.0000	2,300.519 9	2,300.519 9	0.7161	4.8600e- 003	2,319.145 7
Maximum	21.0187	38.8890	29.5357	0.0634	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,149.751 1	6,149.751 1	1.9489	0.1891	6,199.767 3

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6961	38.8890	29.5357	0.0634	7.7884	1.6357	9.4017	3.9729	1.5049	5.4571	0.0000	6,149.751 1	6,149.751 1	1.9489	4.3400e- 003	6,199.767 3
2023	3.3876	34.5557	28.5045	0.0634	3.7251	1.4253	5.1504	1.4615	1.3113	2.7728	0.0000	6,146.177 6	6,146.177 6	1.9485	0.1891	6,196.080 8
2024	2.0107	15.7176	20.3220	0.0474	1.3506	0.6382	1.9888	0.3722	0.6005	0.9727	0.0000	4,687.070 8	4,687.070 8	0.6379	0.1832	4,757.608 0
2025	1.8726	14.6940	19.9943	0.0469	1.3506	0.5521	1.9027	0.3722	0.5195	0.8917	0.0000	4,640.086 2	4,640.086 2	0.7163	0.1777	4,708.833 6
2026	21.0187	8.6031	14.8534	0.0237	0.2036	0.4190	0.5208	0.0549	0.3855	0.4129	0.0000	2,300.519 9	2,300.519 9	0.7161	4.8600e- 003	2,319.145 7
Maximum	21.0187	38.8890	29.5357	0.0634	7.7884	1.6357	9.4017	3.9729	1.5049	5.4571	0.0000	6,149.751 1	6,149.751 1	1.9489	0.1891	6,199.767 3

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.85	0.00	49.00	57.83	0.00	44.84	0.00	0.00	0.00	0.00	0.00	0.00

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427
Energy	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Mobile	3.0837	4.7522	27.7075	0.0604	6.5191	0.0548	6.5739	1.7378	0.0515	1.7893		6,250.5497	6,250.5497	0.3612	0.3351	6,359.4499
Total	8.2639	5.6747	37.4558	0.0661	6.5191	0.1728	6.6918	1.7378	0.1694	1.9072	0.0000	7,306.8772	7,306.8772	0.3974	0.3542	7,422.3603

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427
Energy	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Mobile	3.0837	4.7522	27.7075	0.0604	6.5191	0.0548	6.5739	1.7378	0.0515	1.7893		6,250.5497	6,250.5497	0.3612	0.3351	6,359.4499
Total	8.2639	5.6747	37.4558	0.0661	6.5191	0.1728	6.6918	1.7378	0.1694	1.9072	0.0000	7,306.8772	7,306.8772	0.3974	0.3542	7,422.3603

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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
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	9/12/2022	10/21/2022	5	30	
2	Grading	Grading	10/22/2022	2/3/2023	5	75	
3	Building Construction	Building Construction	2/4/2023	12/5/2025	5	740	
4	Paving	Paving	12/6/2025	2/20/2026	5	55	
5	Architectural Coating	Architectural Coating	2/21/2026	5/8/2026	5	55	

Acres of Grading (Site Preparation Phase): 45**Acres of Grading (Grading Phase): 225****Acres of Paving: 6.35****Residential Indoor: 357,210; Residential Outdoor: 119,070; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,596 (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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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

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

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	151.00	56.00	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	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0642	0.0410	0.4448	1.2200e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		124.5065	124.5065	4.2200e-003	3.9100e-003	125.7763
Total	0.0642	0.0410	0.4448	1.2200e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		124.5065	124.5065	4.2200e-003	3.9100e-003	125.7763

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0642	0.0410	0.4448	1.2200e-003	0.1222	7.5000e-004	0.1229	0.0329	6.9000e-004	0.0336		124.5065	124.5065	4.2200e-003	3.9100e-003	125.7763
Total	0.0642	0.0410	0.4448	1.2200e-003	0.1222	7.5000e-004	0.1229	0.0329	6.9000e-004	0.0336		124.5065	124.5065	4.2200e-003	3.9100e-003	125.7763

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0713	0.0455	0.4942	1.3600e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		138.3405	138.3405	4.6900e-003	4.3400e-003	139.7515
Total	0.0713	0.0455	0.4942	1.3600e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		138.3405	138.3405	4.6900e-003	4.3400e-003	139.7515

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0713	0.0455	0.4942	1.3600e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		138.3405	138.3405	4.6900e-003	4.3400e-003	139.7515
Total	0.0713	0.0455	0.4942	1.3600e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		138.3405	138.3405	4.6900e-003	4.3400e-003	139.7515

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					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	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		6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0401	0.4534	1.3200e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.6998	134.6998	4.2300e-003	4.0000e-003	135.9972
Total	0.0659	0.0401	0.4534	1.3200e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.6998	134.6998	4.2300e-003	4.0000e-003	135.9972

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		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	3.5894	1.4245	5.0139	1.4250	1.3105	2.7355	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0401	0.4534	1.3200e-003	0.1357	7.8000e-004	0.1365	0.0366	7.2000e-004	0.0373		134.6998	134.6998	4.2300e-003	4.0000e-003	135.9972
Total	0.0659	0.0401	0.4534	1.3200e-003	0.1357	7.8000e-004	0.1365	0.0366	7.2000e-004	0.0373		134.6998	134.6998	4.2300e-003	4.0000e-003	135.9972

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0807	2.0288	1.0089	0.0111	0.3798	0.0194	0.3993	0.1094	0.0186	0.1280		1,165.6865	1,165.6865	4.9000e-003	0.1589	1,213.1605
Worker	0.4974	0.3029	3.4228	9.9400e-003	1.2404	5.8700e-003	1.2463	0.3290	5.4100e-003	0.3344		1,016.9837	1,016.9837	0.0319	0.0302	1,026.7791
Total	0.5781	2.3317	4.4318	0.0210	1.6203	0.0253	1.6456	0.4384	0.0240	0.4624		2,182.6702	2,182.6702	0.0368	0.1891	2,239.9396

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0807	2.0288	1.0089	0.0111	0.3258	0.0194	0.3452	0.0961	0.0186	0.1147		1,165.6865	1,165.6865	4.9000e-003	0.1589	1,213.1605
Worker	0.4974	0.3029	3.4228	9.9400e-003	1.0248	5.8700e-003	1.0307	0.2761	5.4100e-003	0.2815		1,016.9837	1,016.9837	0.0319	0.0302	1,026.7791
Total	0.5781	2.3317	4.4318	0.0210	1.3506	0.0253	1.3759	0.3722	0.0240	0.3962		2,182.6702	2,182.6702	0.0368	0.1891	2,239.9396

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0777	2.0054	0.9742	0.0109	0.3798	0.0193	0.3992	0.1094	0.0185	0.1279		1,140.3254	1,140.3254	4.6600e-003	0.1552	1,186.7008
Worker	0.4614	0.2684	3.1809	9.6100e-003	1.2404	5.5500e-003	1.2460	0.3290	5.1100e-003	0.3341		991.0464	991.0464	0.0289	0.0280	1,000.0995
Total	0.5391	2.2738	4.1552	0.0205	1.6203	0.0249	1.6451	0.4384	0.0236	0.4620		2,131.3719	2,131.3719	0.0335	0.1832	2,186.8003

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0777	2.0054	0.9742	0.0109	0.3258	0.0193	0.3451	0.0961	0.0185	0.1146		1,140.3254	1,140.3254	4.6600e-003	0.1552	1,186.7008
Worker	0.4614	0.2684	3.1809	9.6100e-003	1.0248	5.5500e-003	1.0304	0.2761	5.1100e-003	0.2812		991.0464	991.0464	0.0289	0.0280	1,000.0995
Total	0.5391	2.2738	4.1552	0.0205	1.3506	0.0249	1.3755	0.3722	0.0236	0.3958		2,131.3719	2,131.3719	0.0335	0.1832	2,186.8003

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0757	1.9845	0.9510	0.0106	0.3798	0.0193	0.3991	0.1094	0.0184	0.1278		1,116.896 3	1,116.896 3	4.5100e-003	0.1517	1,162.206 2
Worker	0.4295	0.2399	2.9587	9.2800e-003	1.2404	5.2700e-003	1.2457	0.3290	4.8500e-003	0.3339		966.7155	966.7155	0.0261	0.0260	975.1293
Total	0.5052	2.2244	3.9096	0.0199	1.6203	0.0245	1.6448	0.4384	0.0233	0.4617		2,083.611 8	2,083.611 8	0.0306	0.1777	2,137.335 6

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0757	1.9845	0.9510	0.0106	0.3258	0.0193	0.3450	0.0961	0.0184	0.1145		1,116.896 3	1,116.896 3	4.5100e-003	0.1517	1,162.206 2
Worker	0.4295	0.2399	2.9587	9.2800e-003	1.0248	5.2700e-003	1.0301	0.2761	4.8500e-003	0.2810		966.7155	966.7155	0.0261	0.0260	975.1293
Total	0.5052	2.2244	3.9096	0.0199	1.3506	0.0245	1.3751	0.3722	0.0233	0.3955		2,083.611 8	2,083.611 8	0.0306	0.1777	2,137.335 6

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0238	0.2939	9.2000e-004	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		96.0313	96.0313	2.5900e-003	2.5900e-003	96.8672
Total	0.0427	0.0238	0.2939	9.2000e-004	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		96.0313	96.0313	2.5900e-003	2.5900e-003	96.8672

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0238	0.2939	9.2000e-004	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		96.0313	96.0313	2.5900e-003	2.5900e-003	96.8672
Total	0.0427	0.0238	0.2939	9.2000e-004	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		96.0313	96.0313	2.5900e-003	2.5900e-003	96.8672

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0399	0.0215	0.2754	8.9000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		93.7748	93.7748	2.3600e-003	2.4300e-003	94.5579
Total	0.0399	0.0215	0.2754	8.9000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		93.7748	93.7748	2.3600e-003	2.4300e-003	94.5579

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2176	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0399	0.0215	0.2754	8.9000e-004	0.1018	5.0000e-004	0.1023	0.0274	4.6000e-004	0.0279		93.7748	93.7748	2.3600e-003	2.4300e-003	94.5579
Total	0.0399	0.0215	0.2754	8.9000e-004	0.1018	5.0000e-004	0.1023	0.0274	4.6000e-004	0.0279		93.7748	93.7748	2.3600e-003	2.4300e-003	94.5579

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.7680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	20.9389	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0798	0.0430	0.5509	1.7900e-003	0.2464	9.9000e-004	0.2474	0.0654	9.1000e-004	0.0663		187.5495	187.5495	4.7200e-003	4.8600e-003	189.1159
Total	0.0798	0.0430	0.5509	1.7900e-003	0.2464	9.9000e-004	0.2474	0.0654	9.1000e-004	0.0663		187.5495	187.5495	4.7200e-003	4.8600e-003	189.1159

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.7680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	20.9389	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0798	0.0430	0.5509	1.7900e-003	0.2036	9.9000e-004	0.2046	0.0549	9.1000e-004	0.0558		187.5495	187.5495	4.7200e-003	4.8600e-003	189.1159
Total	0.0798	0.0430	0.5509	1.7900e-003	0.2036	9.9000e-004	0.2046	0.0549	9.1000e-004	0.0558		187.5495	187.5495	4.7200e-003	4.8600e-003	189.1159

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0837	4.7522	27.7075	0.0604	6.5191	0.0548	6.5739	1.7378	0.0515	1.7893		6,250.5497	6,250.5497	0.3612	0.3351	6,359.4499
Unmitigated	3.0837	4.7522	27.7075	0.0604	6.5191	0.0548	6.5739	1.7378	0.0515	1.7893		6,250.5497	6,250.5497	0.3612	0.3351	6,359.4499

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,076.16	1,087.56	974.70	3,019,883	3,019,883
Total	1,076.16	1,087.56	974.70	3,019,883	3,019,883

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Single Family Housing	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
NaturalGas Unmitigated	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8834.83	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Total		0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.83483	0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678
Total		0.0953	0.8142	0.3465	5.2000e-003		0.0658	0.0658		0.0658	0.0658		1,039.3912	1,039.3912	0.0199	0.0191	1,045.5678

6.0 Area Detail

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427
Unmitigated	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2827	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521		16.9364	16.9364	0.0163		17.3427
Total	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2827	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521		16.9364	16.9364	0.0163		17.3427
Total	5.0849	0.1083	9.4018	5.0000e-004		0.0521	0.0521		0.0521	0.0521	0.0000	16.9364	16.9364	0.0163	0.0000	17.3427

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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

Institute Recycling and Composting Services

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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

TTM 20549- Adelanto- Update
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	6.35	Acre	6.35	276,606.00	0
Single Family Housing	114.00	Dwelling Unit	37.01	205,200.00	326

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage per site plan.
- Construction Phase - No demolition phase;
- Trips and VMT -
- Grading - Acres graded and import per earthwork volume ananalysis
- Architectural Coating - VOC per MDAQMD Rules
- Woodstoves - No wood fireplaces
- Area Coating - VOC per MDAQMD Rules
- Construction Off-road Equipment Mitigation - Construction mitigation for fugitive dust
- Area Mitigation - No fireplaces
- Water Mitigation -

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintParkingValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	10
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	53.90	0.00
tblFireplaces	NumberNoFireplace	9.80	98.00
tblFireplaces	NumberWood	34.30	0.00
tblWoodstoves	NumberCatalytic	4.90	0.00
tblWoodstoves	NumberNoncatalytic	4.90	0.00

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1407	1.4692	1.0419	2.1800e-003	0.5709	0.0651	0.6360	0.2488	0.0599	0.3087	0.0000	191.4640	191.4640	0.0605	1.6000e-004	193.0233
2023	0.2912	2.3966	2.8131	6.4600e-003	0.3837	0.1030	0.4867	0.1055	0.0966	0.2021	0.0000	577.6245	577.6245	0.0909	0.0203	585.9517
2024	0.2594	2.0591	2.6900	6.2400e-003	0.2086	0.0836	0.2922	0.0565	0.0787	0.1352	0.0000	560.1051	560.1051	0.0759	0.0219	568.5241
2025	0.2353	1.8626	2.5871	5.9400e-003	0.1946	0.0708	0.2654	0.0527	0.0666	0.1193	0.0000	533.0511	533.0511	0.0756	0.0197	540.8120
2026	0.6011	0.1919	0.3411	5.7000e-004	8.9000e-003	9.2000e-003	0.0181	2.3600e-003	8.5700e-003	0.0109	0.0000	50.4847	50.4847	0.0125	1.7000e-004	50.8481
Maximum	0.6011	2.3966	2.8131	6.4600e-003	0.5709	0.1030	0.6360	0.2488	0.0966	0.3087	0.0000	577.6245	577.6245	0.0909	0.0219	585.9517

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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****Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1407	1.4692	1.0419	2.1800e-003	0.2254	0.0651	0.2905	0.0978	0.0599	0.1577	0.0000	191.4638	191.4638	0.0605	1.6000e-004	193.0230
2023	0.2912	2.3966	2.8131	6.4600e-003	0.2337	0.1030	0.3367	0.0647	0.0966	0.1613	0.0000	577.6240	577.6240	0.0909	0.0203	585.9513
2024	0.2594	2.0591	2.6900	6.2400e-003	0.1740	0.0836	0.2576	0.0481	0.0787	0.1267	0.0000	560.1047	560.1047	0.0759	0.0219	568.5238
2025	0.2353	1.8626	2.5871	5.9400e-003	0.1623	0.0708	0.2332	0.0448	0.0666	0.1114	0.0000	533.0508	533.0508	0.0756	0.0197	540.8117
2026	0.6011	0.1919	0.3411	5.7000e-004	7.3500e-003	9.2000e-003	0.0166	1.9800e-003	8.5700e-003	0.0106	0.0000	50.4846	50.4846	0.0125	1.7000e-004	50.8480
Maximum	0.6011	2.3966	2.8131	6.4600e-003	0.2337	0.1030	0.3367	0.0978	0.0966	0.1613	0.0000	577.6240	577.6240	0.0909	0.0219	585.9513

	ROG	NOx	CO	SO2	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	41.27	0.00	33.21	44.77	0.00	26.88	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	9-12-2022	12-11-2022	1.2951	1.2951
2	12-12-2022	3-11-2023	1.0075	1.0075
3	3-12-2023	6-11-2023	0.6181	0.6181
4	6-12-2023	9-11-2023	0.6176	0.6176
5	9-12-2023	12-11-2023	0.6127	0.6127
6	12-12-2023	3-11-2024	0.5843	0.5843
7	3-12-2024	6-11-2024	0.5806	0.5806

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

8	6-12-2024	9-11-2024	0.5801	0.5801
9	9-12-2024	12-11-2024	0.5757	0.5757
10	12-12-2024	3-11-2025	0.5408	0.5408
11	3-12-2025	6-11-2025	0.5424	0.5424
12	6-12-2025	9-11-2025	0.5418	0.5418
13	9-12-2025	12-11-2025	0.5235	0.5235
14	12-12-2025	3-11-2026	0.4008	0.4008
15	3-12-2026	6-11-2026	0.4601	0.4601
		Highest	1.2951	1.2951

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9019	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160
Energy	0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	333.1075	333.1075	0.0169	4.8000e-003	334.9608
Mobile	0.5442	0.8641	5.2247	0.0110	1.1395	9.7400e-003	1.1492	0.3042	9.1500e-003	0.3133	0.0000	1,028.6293	1,028.6293	0.0596	0.0551	1,046.5312
Waste						0.0000	0.0000		0.0000	0.0000	23.3034	0.0000	23.3034	1.3772	0.0000	57.7331
Water						0.0000	0.0000		0.0000	0.0000	2.0257	22.6758	24.7015	0.2100	5.1400e-003	31.4839
Total	1.4635	1.0224	6.1341	0.0120	1.1395	0.0264	1.1659	0.3042	0.0259	0.3300	25.3291	1,385.7954	1,411.1244	1.6649	0.0650	1,472.1250

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9019	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160
Energy	0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	333.1075	333.1075	0.0169	4.8000e-003	334.9608
Mobile	0.5442	0.8641	5.2247	0.0110	1.1395	9.7400e-003	1.1492	0.3042	9.1500e-003	0.3133	0.0000	1,028.6293	1,028.6293	0.0596	0.0551	1,046.5312
Waste						0.0000	0.0000		0.0000	0.0000	17.4775	0.0000	17.4775	1.0329	0.0000	43.2998
Water						0.0000	0.0000		0.0000	0.0000	1.6206	19.2431	20.8637	0.1681	4.1300e-003	26.2953
Total	1.4635	1.0224	6.1341	0.0120	1.1395	0.0264	1.1659	0.3042	0.0259	0.3300	19.0981	1,382.3627	1,401.4608	1.2787	0.0640	1,452.5031

	ROG	NOx	CO	SO2	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	24.60	0.25	0.68	23.20	1.55	1.33

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	9/12/2022	10/21/2022	5	30	
2	Grading	Grading	10/22/2022	2/3/2023	5	75	
3	Building Construction	Building Construction	2/4/2023	12/5/2025	5	740	

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

4	Paving	Paving	12/6/2025	2/20/2026	5	55
5	Architectural Coating	Architectural Coating	2/21/2026	5/8/2026	5	55

Acres of Grading (Site Preparation Phase): 45**Acres of Grading (Grading Phase): 225****Acres of Paving: 6.35****Residential Indoor: 357,210; Residential Outdoor: 119,070; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,596 (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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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	151.00	56.00	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	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2949	0.0000	0.2949	0.1515	0.0000	0.1515	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.4963	0.2955	5.7000e-004		0.0242	0.0242		0.0223	0.0223	0.0000	50.1591	50.1591	0.0162	0.0000	50.5647
Total	0.0476	0.4963	0.2955	5.7000e-004	0.2949	0.0242	0.3191	0.1515	0.0223	0.1738	0.0000	50.1591	50.1591	0.0162	0.0000	50.5647

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	9.0000e-004	6.5000e-004	7.1500e-003	2.0000e-005	2.1800e-003	1.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7422	1.7422	6.0000e-005	6.0000e-005	1.7602
Total	9.0000e-004	6.5000e-004	7.1500e-003	2.0000e-005	2.1800e-003	1.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7422	1.7422	6.0000e-005	6.0000e-005	1.7602

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1150	0.0000	0.1150	0.0591	0.0000	0.0591	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.4963	0.2955	5.7000e-004		0.0242	0.0242		0.0223	0.0223	0.0000	50.1590	50.1590	0.0162	0.0000	50.5646
Total	0.0476	0.4963	0.2955	5.7000e-004	0.1150	0.0242	0.1392	0.0591	0.0223	0.0814	0.0000	50.1590	50.1590	0.0162	0.0000	50.5646

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	9.0000e-004	6.5000e-004	7.1500e-003	2.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.7422	1.7422	6.0000e-005	6.0000e-005	1.7602
Total	9.0000e-004	6.5000e-004	7.1500e-003	2.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.7422	1.7422	6.0000e-005	6.0000e-005	1.7602

3.3 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2699	0.0000	0.2699	0.0956	0.0000	0.0956	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0906	0.9711	0.7260	1.5500e-003		0.0409	0.0409		0.0376	0.0376	0.0000	136.3365	136.3365	0.0441	0.0000	137.4389
Total	0.0906	0.9711	0.7260	1.5500e-003	0.2699	0.0409	0.3107	0.0956	0.0376	0.1332	0.0000	136.3365	136.3365	0.0441	0.0000	137.4389

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6600e-003	1.2100e-003	0.0133	3.0000e-005	4.0300e-003	2.0000e-005	4.0500e-003	1.0700e-003	2.0000e-005	1.0900e-003	0.0000	3.2263	3.2263	1.1000e-004	1.0000e-004	3.2596
Total	1.6600e-003	1.2100e-003	0.0133	3.0000e-005	4.0300e-003	2.0000e-005	4.0500e-003	1.0700e-003	2.0000e-005	1.0900e-003	0.0000	3.2263	3.2263	1.1000e-004	1.0000e-004	3.2596

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1052	0.0000	0.1052	0.0373	0.0000	0.0373	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0906	0.9711	0.7260	1.5500e-003		0.0409	0.0409		0.0376	0.0376	0.0000	136.3363	136.3363	0.0441	0.0000	137.4387
Total	0.0906	0.9711	0.7260	1.5500e-003	0.1052	0.0409	0.1461	0.0373	0.0376	0.0749	0.0000	136.3363	136.3363	0.0441	0.0000	137.4387

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6600e-003	1.2100e-003	0.0133	3.0000e-005	3.3300e-003	2.0000e-005	3.3600e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	3.2263	3.2263	1.1000e-004	1.0000e-004	3.2596
Total	1.6600e-003	1.2100e-003	0.0133	3.0000e-005	3.3300e-003	2.0000e-005	3.3600e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	3.2263	3.2263	1.1000e-004	1.0000e-004	3.2596

3.3 Grading - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1946	0.0000	0.1946	0.0543	0.0000	0.0543	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0415	0.4314	0.3506	7.8000e-004		0.0178	0.0178		0.0164	0.0164	0.0000	68.1690	68.1690	0.0221	0.0000	68.7202
Total	0.0415	0.4314	0.3506	7.8000e-004	0.1946	0.0178	0.2124	0.0543	0.0164	0.0706	0.0000	68.1690	68.1690	0.0221	0.0000	68.7202

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.3000e-004	6.0700e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.4000e-004	0.0000	1.5705	1.5705	5.0000e-005	5.0000e-005	1.5859
Total	7.7000e-004	5.3000e-004	6.0700e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.4000e-004	0.0000	1.5705	1.5705	5.0000e-005	5.0000e-005	1.5859

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0759	0.0000	0.0759	0.0212	0.0000	0.0212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0415	0.4314	0.3506	7.8000e-004		0.0178	0.0178		0.0164	0.0164	0.0000	68.1689	68.1689	0.0221	0.0000	68.7201
Total	0.0415	0.4314	0.3506	7.8000e-004	0.0759	0.0178	0.0937	0.0212	0.0164	0.0375	0.0000	68.1689	68.1689	0.0221	0.0000	68.7201

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.3000e-004	6.0700e-003	2.0000e-005	1.6700e-003	1.0000e-005	1.6800e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.5705	1.5705	5.0000e-005	5.0000e-005	1.5859
Total	7.7000e-004	5.3000e-004	6.0700e-003	2.0000e-005	1.6700e-003	1.0000e-005	1.6800e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.5705	1.5705	5.0000e-005	5.0000e-005	1.5859

3.4 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1848	1.6902	1.9087	3.1700e-003		0.0822	0.0822		0.0774	0.0774	0.0000	272.3706	272.3706	0.0648	0.0000	273.9904
Total	0.1848	1.6902	1.9087	3.1700e-003		0.0822	0.0822		0.0774	0.0774	0.0000	272.3706	272.3706	0.0648	0.0000	273.9904

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7400e-003	0.2365	0.1166	1.3000e-003	0.0440	2.2800e-003	0.0463	0.0127	2.1800e-003	0.0149	0.0000	124.0542	124.0542	5.4000e-004	0.0169	129.1076
Worker	0.0543	0.0379	0.4311	1.2000e-003	0.1432	6.9000e-004	0.1438	0.0380	6.4000e-004	0.0387	0.0000	111.4601	111.4601	3.4900e-003	3.3600e-003	112.5476
Total	0.0641	0.2744	0.5478	2.5000e-003	0.1871	2.9700e-003	0.1901	0.0507	2.8200e-003	0.0535	0.0000	235.5143	235.5143	4.0300e-003	0.0203	241.6552

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1848	1.6902	1.9087	3.1700e-003		0.0822	0.0822		0.0774	0.0774	0.0000	272.3703	272.3703	0.0648	0.0000	273.9901
Total	0.1848	1.6902	1.9087	3.1700e-003		0.0822	0.0822		0.0774	0.0774	0.0000	272.3703	272.3703	0.0648	0.0000	273.9901

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7400e-003	0.2365	0.1166	1.3000e-003	0.0378	2.2800e-003	0.0400	0.0112	2.1800e-003	0.0134	0.0000	124.0542	124.0542	5.4000e-004	0.0169	129.1076
Worker	0.0543	0.0379	0.4311	1.2000e-003	0.1183	6.9000e-004	0.1190	0.0319	6.4000e-004	0.0326	0.0000	111.4601	111.4601	3.4900e-003	3.3600e-003	112.5476
Total	0.0641	0.2744	0.5478	2.5000e-003	0.1561	2.9700e-003	0.1591	0.0431	2.8200e-003	0.0459	0.0000	235.5143	235.5143	4.0300e-003	0.0203	241.6552

3.4 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.2605	0.1255	1.4200e-003	0.0490	2.5300e-003	0.0516	0.0142	2.4200e-003	0.0166	0.0000	135.2959	135.2959	5.7000e-004	0.0184	140.7992
Worker	0.0561	0.0374	0.4466	1.2900e-003	0.1596	7.3000e-004	0.1603	0.0424	6.7000e-004	0.0431	0.0000	121.0868	121.0868	3.5200e-003	3.4600e-003	122.2070
Total	0.0666	0.2980	0.5721	2.7100e-003	0.2086	3.2600e-003	0.2119	0.0565	3.0900e-003	0.0596	0.0000	256.3828	256.3828	4.0900e-003	0.0219	263.0063

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.2605	0.1255	1.4200e-003	0.0421	2.5300e-003	0.0446	0.0125	2.4200e-003	0.0149	0.0000	135.2959	135.2959	5.7000e-004	0.0184	140.7992
Worker	0.0561	0.0374	0.4466	1.2900e-003	0.1319	7.3000e-004	0.1327	0.0356	6.7000e-004	0.0363	0.0000	121.0868	121.0868	3.5200e-003	3.4600e-003	122.2070
Total	0.0666	0.2980	0.5721	2.7100e-003	0.1740	3.2600e-003	0.1773	0.0481	3.0900e-003	0.0511	0.0000	256.3828	256.3828	4.0900e-003	0.0219	263.0063

3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1661	1.5151	1.9543	3.2800e-003		0.0641	0.0641		0.0603	0.0603	0.0000	281.7821	281.7821	0.0662	0.0000	283.4381
Total	0.1661	1.5151	1.9543	3.2800e-003		0.0641	0.0641		0.0603	0.0603	0.0000	281.7821	281.7821	0.0662	0.0000	283.4381

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4900e-003	0.2391	0.1136	1.2900e-003	0.0455	2.3300e-003	0.0478	0.0131	2.2300e-003	0.0154	0.0000	122.9050	122.9050	5.1000e-004	0.0167	127.8917
Worker	0.0484	0.0310	0.3852	1.1600e-003	0.1480	6.4000e-004	0.1487	0.0393	5.9000e-004	0.0399	0.0000	109.5407	109.5407	2.9500e-003	2.9900e-003	110.5061
Total	0.0579	0.2701	0.4988	2.4500e-003	0.1935	2.9700e-003	0.1965	0.0525	2.8200e-003	0.0553	0.0000	232.4456	232.4456	3.4600e-003	0.0197	238.3978

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1661	1.5151	1.9543	3.2800e-003		0.0641	0.0641		0.0603	0.0603	0.0000	281.7818	281.7818	0.0662	0.0000	283.4378
Total	0.1661	1.5151	1.9543	3.2800e-003		0.0641	0.0641		0.0603	0.0603	0.0000	281.7818	281.7818	0.0662	0.0000	283.4378

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4900e-003	0.2391	0.1136	1.2900e-003	0.0390	2.3300e-003	0.0414	0.0116	2.2300e-003	0.0138	0.0000	122.9050	122.9050	5.1000e-004	0.0167	127.8917
Worker	0.0484	0.0310	0.3852	1.1600e-003	0.1224	6.4000e-004	0.1230	0.0330	5.9000e-004	0.0336	0.0000	109.5407	109.5407	2.9500e-003	2.9900e-003	110.5061
Total	0.0579	0.2701	0.4988	2.4500e-003	0.1614	2.9700e-003	0.1644	0.0446	2.8200e-003	0.0474	0.0000	232.4456	232.4456	3.4600e-003	0.0197	238.3978

3.5 Paving - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2400e-003	0.0772	0.1312	2.1000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630
Paving	2.7200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.0772	0.1312	2.1000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	3.6000e-004	2.3000e-004	2.8300e-003	1.0000e-005	1.0900e-003	0.0000	1.0900e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.8060	0.8060	2.0000e-005	2.0000e-005	0.8131
Total	3.6000e-004	2.3000e-004	2.8300e-003	1.0000e-005	1.0900e-003	0.0000	1.0900e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.8060	0.8060	2.0000e-005	2.0000e-005	0.8131

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2400e-003	0.0772	0.1312	2.1000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630
Paving	2.7200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.0772	0.1312	2.1000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	18.0173	18.0173	5.8300e-003	0.0000	18.1630

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	3.6000e-004	2.3000e-004	2.8300e-003	1.0000e-005	9.0000e-004	0.0000	9.1000e-004	2.4000e-004	0.0000	2.5000e-004	0.0000	0.8060	0.8060	2.0000e-005	2.0000e-005	0.8131
Total	3.6000e-004	2.3000e-004	2.8300e-003	1.0000e-005	9.0000e-004	0.0000	9.1000e-004	2.4000e-004	0.0000	2.5000e-004	0.0000	0.8060	0.8060	2.0000e-005	2.0000e-005	0.8131

3.5 Paving - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1588	0.2697	4.2000e-004		7.7400e-003	7.7400e-003		7.1200e-003	7.1200e-003	0.0000	37.0356	37.0356	0.0120	0.0000	37.3351
Paving	5.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0225	0.1588	0.2697	4.2000e-004		7.7400e-003	7.7400e-003		7.1200e-003	7.1200e-003	0.0000	37.0356	37.0356	0.0120	0.0000	37.3351

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2026****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.2000e-004	5.4600e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.6178	1.6178	4.0000e-005	4.0000e-005	1.6315
Total	6.8000e-004	4.2000e-004	5.4600e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.6178	1.6178	4.0000e-005	4.0000e-005	1.6315

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1588	0.2697	4.2000e-004		7.7400e-003	7.7400e-003		7.1200e-003	7.1200e-003	0.0000	37.0356	37.0356	0.0120	0.0000	37.3350
Paving	5.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0225	0.1588	0.2697	4.2000e-004		7.7400e-003	7.7400e-003		7.1200e-003	7.1200e-003	0.0000	37.0356	37.0356	0.0120	0.0000	37.3350

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2026****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.2000e-004	5.4600e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6178	1.6178	4.0000e-005	4.0000e-005	1.6315
Total	6.8000e-004	4.2000e-004	5.4600e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6178	1.6178	4.0000e-005	4.0000e-005	1.6315

3.6 Architectural Coating - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-003	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0215	7.0215	3.8000e-004	0.0000	7.0310
Total	0.5758	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0215	7.0215	3.8000e-004	0.0000	7.0310

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2026****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0300e-003	1.2600e-003	0.0162	5.0000e-005	6.6600e-003	3.0000e-005	6.6800e-003	1.7700e-003	3.0000e-005	1.7900e-003	0.0000	4.8098	4.8098	1.2000e-004	1.3000e-004	4.8505
Total	2.0300e-003	1.2600e-003	0.0162	5.0000e-005	6.6600e-003	3.0000e-005	6.6800e-003	1.7700e-003	3.0000e-005	1.7900e-003	0.0000	4.8098	4.8098	1.2000e-004	1.3000e-004	4.8505

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-003	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0214	7.0214	3.8000e-004	0.0000	7.0310
Total	0.5758	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0214	7.0214	3.8000e-004	0.0000	7.0310

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2026****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0300e-003	1.2600e-003	0.0162	5.0000e-005	5.5000e-003	3.0000e-005	5.5300e-003	1.4800e-003	3.0000e-005	1.5100e-003	0.0000	4.8098	4.8098	1.2000e-004	1.3000e-004	4.8505
Total	2.0300e-003	1.2600e-003	0.0162	5.0000e-005	5.5000e-003	3.0000e-005	5.5300e-003	1.4800e-003	3.0000e-005	1.5100e-003	0.0000	4.8098	4.8098	1.2000e-004	1.3000e-004	4.8505

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5442	0.8641	5.2247	0.0110	1.1395	9.7400e-003	1.1492	0.3042	9.1500e-003	0.3133	0.0000	1,028.6293	1,028.6293	0.0596	0.0551	1,046.5312
Unmitigated	0.5442	0.8641	5.2247	0.0110	1.1395	9.7400e-003	1.1492	0.3042	9.1500e-003	0.3133	0.0000	1,028.6293	1,028.6293	0.0596	0.0551	1,046.5312

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,076.16	1,087.56	974.70	3,019,883	3,019,883
Total	1,076.16	1,087.56	974.70	3,019,883	3,019,883

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423
Single Family Housing	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

5.0 Energy Detail

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	161.0247	161.0247	0.0136	1.6500e-003	161.8554
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	161.0247	161.0247	0.0136	1.6500e-003	161.8554
NaturalGas Mitigated	0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	172.0829	172.0829	3.3000e-003	3.1500e-003	173.1055
NaturalGas Unmitigated	0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	172.0829	172.0829	3.3000e-003	3.1500e-003	173.1055

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.22471e+006	0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	172.0829	172.0829	3.3000e-003	3.1500e-003	173.1055
Total		0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	172.0829	172.0829	3.3000e-003	3.1500e-003	173.1055

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.22471e+006	0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	172.0829	172.0829	3.3000e-003	3.1500e-003	173.1055
Total		0.0174	0.1486	0.0632	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	172.0829	172.0829	3.3000e-003	3.1500e-003	173.1055

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	907971	161.0247	0.0136	1.6500e-003	161.8554
Total		161.0247	0.0136	1.6500e-003	161.8554

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	907971	161.0247	0.0136	1.6500e-003	161.8554
Total		161.0247	0.0136	1.6500e-003	161.8554

6.0 Area Detail

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9019	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160
Unmitigated	0.9019	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8193					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0255	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160
Total	0.9019	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160

TTM 20549- Adelanto- Update - Mojave Desert AQMD 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8193					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0255	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160
Total	0.9019	9.7500e-003	0.8462	4.0000e-005		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	1.3828	1.3828	1.3300e-003	0.0000	1.4160

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	20.8637	0.1681	4.1300e-003	26.2953
Unmitigated	24.7015	0.2100	5.1400e-003	31.4839

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.38509 / 4.02539	24.7015	0.2100	5.1400e-003	31.4839
Total		24.7015	0.2100	5.1400e-003	31.4839

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.10808 / 3.77984	20.8637	0.1681	4.1300e-003	26.2953
Total		20.8637	0.1681	4.1300e-003	26.2953

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.4775	1.0329	0.0000	43.2998
Unmitigated	23.3034	1.3772	0.0000	57.7331

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	114.8	23.3034	1.3772	0.0000	57.7331
Total		23.3034	1.3772	0.0000	57.7331

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	86.1	17.4775	1.0329	0.0000	43.2998
Total		17.4775	1.0329	0.0000	43.2998

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

TTM 20549- Adelanto- Update - Mojave Desert AQMD Air District, Annual

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

TTM 20549- Adelanto- Update**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mojave Desert AQMD Air District, Mitigation Report****Construction Mitigation Summary**

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

TTM 20549- Adelanto- Update**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

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Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	4.70000E-003	3.15000E-002	4.97500E-002	8.00000E-005	1.42000E-003	1.42000E-003	0.00000E+000	7.02145E+000	7.02145E+000	3.80000E-004	0.00000E+000	7.03102E+000
Cranes	1.07410E-001	1.13075E+000	5.76640E-001	1.87000E-003	4.74100E-002	4.36200E-002	0.00000E+000	1.64125E+002	1.64125E+002	5.30800E-002	0.00000E+000	1.65452E+002
Excavators	1.48400E-002	1.27560E-001	2.44200E-001	3.90000E-004	6.19000E-003	5.70000E-003	0.00000E+000	3.40225E+001	3.40225E+001	1.10000E-002	0.00000E+000	3.42976E+001
Forklifts	1.04840E-001	9.83870E-001	1.26454E+000	1.70000E-003	5.69300E-002	5.23700E-002	0.00000E+000	1.49063E+002	1.49063E+002	4.82100E-002	0.00000E+000	1.50269E+002
Generator Sets	1.05650E-001	9.43460E-001	1.35575E+000	2.43000E-003	4.11700E-002	4.11700E-002	0.00000E+000	2.09127E+002	2.09127E+002	8.46000E-003	0.00000E+000	2.09338E+002
Graders	1.51700E-002	1.89600E-001	6.42000E-002	2.50000E-004	6.06000E-003	5.58000E-003	0.00000E+000	2.18111E+001	2.18111E+001	7.05000E-003	0.00000E+000	2.19875E+001
Pavers	9.56000E-003	8.70700E-002	1.59270E-001	2.60000E-004	4.08000E-003	3.75000E-003	0.00000E+000	2.27020E+001	2.27020E+001	7.34000E-003	0.00000E+000	2.28855E+001
Paving Equipment	8.07000E-003	6.95600E-002	1.40060E-001	2.20000E-004	3.44000E-003	3.16000E-003	0.00000E+000	1.96745E+001	1.96745E+001	6.36000E-003	0.00000E+000	1.98336E+001
Rollers	7.53000E-003	7.93700E-002	1.01570E-001	1.40000E-004	3.99000E-003	3.67000E-003	0.00000E+000	1.26765E+001	1.26765E+001	4.10000E-003	0.00000E+000	1.27790E+001
Rubber Tired Dozers	6.71600E-002	7.04650E-001	2.89570E-001	7.00000E-004	3.32300E-002	3.05700E-002	0.00000E+000	6.18972E+001	6.18972E+001	2.00200E-002	0.00000E+000	6.23977E+001
Scrapers	6.06300E-002	6.54260E-001	4.72220E-001	1.14000E-003	2.55800E-002	2.35300E-002	0.00000E+000	1.00033E+002	1.00033E+002	3.23500E-002	0.00000E+000	1.00842E+002
Tractors/Loaders/Backhoes	1.60220E-001	1.62020E+000	2.47007E+000	3.45000E-003	7.53000E-002	6.92800E-002	0.00000E+000	3.02818E+002	3.02818E+002	9.79400E-002	0.00000E+000	3.05267E+002
Welders	8.75000E-002	5.10850E-001	6.15780E-001	9.50000E-004	1.76600E-002	1.76600E-002	0.00000E+000	6.96416E+001	6.96416E+001	7.10000E-003	0.00000E+000	6.98192E+001

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Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	4.70000E-003	3.15000E-002	4.97500E-002	8.00000E-005	1.42000E-003	1.42000E-003	0.00000E+000	7.02144E+000	7.02144E+000	3.80000E-004	0.00000E+000	7.03101E+000
Cranes	1.07410E-001	1.13075E+000	5.76630E-001	1.87000E-003	4.74100E-002	4.36200E-002	0.00000E+000	1.64125E+002	1.64125E+002	5.30800E-002	0.00000E+000	1.65452E+002
Excavators	1.48400E-002	1.27560E-001	2.44200E-001	3.90000E-004	6.19000E-003	5.70000E-003	0.00000E+000	3.40225E+001	3.40225E+001	1.10000E-002	0.00000E+000	3.42976E+001
Forklifts	1.04840E-001	9.83870E-001	1.26454E+000	1.70000E-003	5.69300E-002	5.23700E-002	0.00000E+000	1.49063E+002	1.49063E+002	4.82100E-002	0.00000E+000	1.50268E+002
Generator Sets	1.05650E-001	9.43460E-001	1.35575E+000	2.43000E-003	4.11700E-002	4.11700E-002	0.00000E+000	2.09127E+002	2.09127E+002	8.46000E-003	0.00000E+000	2.09338E+002
Graders	1.51700E-002	1.89600E-001	6.42000E-002	2.50000E-004	6.06000E-003	5.58000E-003	0.00000E+000	2.18111E+001	2.18111E+001	7.05000E-003	0.00000E+000	2.19875E+001
Pavers	9.56000E-003	8.70700E-002	1.59270E-001	2.60000E-004	4.08000E-003	3.75000E-003	0.00000E+000	2.27019E+001	2.27019E+001	7.34000E-003	0.00000E+000	2.28855E+001
Paving Equipment	8.07000E-003	6.95600E-002	1.40060E-001	2.20000E-004	3.44000E-003	3.16000E-003	0.00000E+000	1.96745E+001	1.96745E+001	6.36000E-003	0.00000E+000	1.98336E+001
Rollers	7.53000E-003	7.93700E-002	1.01570E-001	1.40000E-004	3.99000E-003	3.67000E-003	0.00000E+000	1.26765E+001	1.26765E+001	4.10000E-003	0.00000E+000	1.27789E+001
Rubber Tired Dozers	6.71600E-002	7.04640E-001	2.89570E-001	7.00000E-004	3.32300E-002	3.05700E-002	0.00000E+000	6.18971E+001	6.18971E+001	2.00200E-002	0.00000E+000	6.23976E+001
Scrapers	6.06300E-002	6.54260E-001	4.72210E-001	1.14000E-003	2.55800E-002	2.35300E-002	0.00000E+000	1.00033E+002	1.00033E+002	3.23500E-002	0.00000E+000	1.00842E+002
Tractors/Loaders/Balckhoes	1.60220E-001	1.62020E+000	2.47007E+000	3.45000E-003	7.53000E-002	6.92800E-002	0.00000E+000	3.02818E+002	3.02818E+002	9.79400E-002	0.00000E+000	3.05267E+002
Welders	8.75000E-002	5.10850E-001	6.15780E-001	9.50000E-004	1.76600E-002	1.76600E-002	0.00000E+000	6.96416E+001	6.96416E+001	7.10000E-003	0.00000E+000	6.98191E+001

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Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.42421E-006	1.42421E-006	0.00000E+000	0.00000E+000	1.42227E-006
Cranes	0.00000E+000	0.00000E+000	1.73418E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15765E-006	1.15765E-006	0.00000E+000	0.00000E+000	1.20881E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17569E-006	1.17569E-006	0.00000E+000	0.00000E+000	1.45783E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14045E-006	1.14045E-006	0.00000E+000	0.00000E+000	1.19785E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19545E-006	1.19545E-006	0.00000E+000	0.00000E+000	1.19424E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.37544E-006	1.37544E-006	0.00000E+000	0.00000E+000	1.36441E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.32147E-006	1.32147E-006	0.00000E+000	0.00000E+000	1.31087E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.01654E-006	1.01654E-006	0.00000E+000	0.00000E+000	1.51258E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	7.88864E-007	7.88864E-007	0.00000E+000	0.00000E+000	1.56507E-006
Rubber Tired Dozers	0.00000E+000	1.41914E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13091E-006	1.13091E-006	0.00000E+000	0.00000E+000	1.12184E-006
Scrapers	0.00000E+000	0.00000E+000	2.11766E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19960E-006	1.19960E-006	0.00000E+000	0.00000E+000	1.18998E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18883E-006	1.18883E-006	0.00000E+000	0.00000E+000	1.17930E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14874E-006	1.14874E-006	0.00000E+000	0.00000E+000	1.14582E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
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No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	20.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.01	0.00	0.01	0.00	0.17	0.16
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.59	0.16	0.49	0.14	0.17	0.15
Grading	Fugitive Dust	0.46	0.15	0.18	0.06	0.61	0.61
Grading	Roads	0.01	0.00	0.01	0.00	0.17	0.16
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.17	0.16
Site Preparation	Fugitive Dust	0.29	0.15	0.11	0.06	0.61	0.61
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.17	0.16

Operational Percent Reduction Summary

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Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	15.14	15.54	19.96	19.65	16.48
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.11	0.33		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

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No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00

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No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	10.00
No	Use Low VOC Paint (Residential Exterior)	10.00
No	Use Low VOC Paint (Non-residential Interior)	10.00
No	Use Low VOC Paint (Non-residential Exterior)	10.00
No	Use Low VOC Paint (Parking)	10.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		

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No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

TTM 20549- Adelanto- Update**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	25.00