



KPC EHS Consultants

Technical Memorandum

To: EPC Consulting, Ernest Perea.

From: Kevin P. Carr, MS., KPC EHS Consultants

Date: June 30 2022

Re: Adelanto 35 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 warehouse project on 34.8 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 south side of Rancho Road, west of Adelanto Road, and east of Mesa Linda Road, and is referred to as APN: 3128-291-03-000.
- 2.2 Description:** The Applicant is proposing to develop a 656,910 square foot (sf) warehouse/distribution facility consisting of 646,910 sf warehouse (485,182 sf non-refrigerated warehouse and 161,728 sf cold storage warehouse), 10,000 sf office space, 340 automobile parking spaces, and 161 trailer stalls on an approximately 34.8 - acre vacant parcel.

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 485,182 square foot “Unrefrigerated Warehouse – No Rail”, 161,728 square foot “Refrigerated Warehouse – No Rail”, 10,000 square foot “General Office”, 288 space “Parking Lot” and 7.74 acres “Parking Lot” for truck/trailers. Construction was estimated as an 806-day construction schedule, with default values for off-road construction equipment. Default values were used for site preparation, grading, and building construction. Architectural coating and

paving schedules were changed to be in conjunction with/overlapping the end of the building construction phase and increased to represent similar size and scope projects. 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 *

	Emissions (lbs/day)					
	ROG	NOX	CO	SOX	PM10	PM2.5
Maximum Daily Emissions	53.34	40.49	34.16	0.10	9.40	5.46
MDAQMD Regional Threshold	137	137	548	137	82	65
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

* MDAQMD Fugitive Dust Rules Applied.

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 (facility emissions), mobile (transportation emissions from employees and trucks), and area (on-going architectural coatings, consumer product use, landscaping maintenance emissions). Default values were used. 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

	Emissions (lbs/day)					
	ROG	NOX	CO	SOX	PM10	PM2.5
Maximum Daily Emissions	19.82	8.20	39.94	0.09	8.06	2.33
MDAQMD Regional Threshold	137	137	548	137	82	65
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

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. 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			
	N2O	CO2	CH4	CO2e
Area	0.000	0.02	0.00004	0.02
Energy	0.023	1,887.00	0.127	1,897.13
Mobile Sources	0.066	1,239.75	0.071	1,261.26
Solid Waste	0.000	125.33	7.41	310.49
Water/Wastewater	0.120	399.73	4.96	559.57
30-year Amortized Construction GHG				38.36
TOTAL	<i>Tons/Year / Metric Tons / Year</i>			<i>4,482.9 / 4,066.8</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	10,276.1	548,000	420.8 / 381.7	100,000 / 90,718.5	NO
Construction 2023	10,056.3	548,000	1,268.5 / 1,150.8	100,000 / 90,718.5	NO
Construction 2024	9,877.6	548,000	715.4 / 649.0	100,000 / 90,718.5	NO
Operations	11,336.7	548,000	4,440.7 / 4,028.5	100,000 / 90,718.5	NO

3.5 Objectionable Odors: The proposed Project would involve the use of diesel-powered construction equipment. Diesel exhaust may be noticeable temporarily at adjacent properties; however, construction activities would be temporary. The Project does not include industrial or agricultural uses that are typically associated with objectionable odors. Therefore, impacts associated with objectionable odors would be less than significant

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 conflict with any air quality or GHG plans.

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



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APPENDIX A

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Summer

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

Adelanto-35 Warehouse Project
Mojave Desert AQMD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Unrefrigerated Warehouse-No Rail	485.18	1000sqft	11.14	485,182.00	0
Parking Lot	288.00	Space	2.59	115,200.00	0
Parking Lot	7.74	Acre	7.74	337,154.40	0
Refrigerated Warehouse-No Rail	161.73	1000sqft	3.71	161,728.00	0

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 -

Construction Phase - No demolition phase; acrh coating increased to reflect size and scope of project as compared with similar projects

Grading - Acres graded and import per earthwork volume ananlysis

Architectural Coating - VOC per MDAQMD Rules

Woodstoves - No wood fireplaces

Area Coating - VOC per MDAQMD Rule 1113

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

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Summer

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

Area Mitigation - Coatings Mitigation per Rule 1113 and use Low VOC cleaning supplies if available

Water Mitigation - use low flow fixtures

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	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	PhaseEndDate	10/11/2024	11/15/2024
tblTripsAndVMT	HaulingTripNumber	0.00	576.00

2.0 Emissions Summary

Adelanto-35 Warehouse Project - 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)****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	3.8915	40.4022	34.1602	0.0996	19.8049	1.6559	21.4182	10.1417	1.5242	11.6259	0.0000	10,069.46 02	10,069.46 02	1.9509	0.6315	10,276.13 77
2023	3.5518	21.4870	32.5961	0.0973	5.0543	0.7808	5.8351	1.3687	0.7353	2.1040	0.0000	9,857.779 5	9,857.779 5	0.7210	0.6056	10,056.26 44
2024	53.3381	20.3717	31.4473	0.0954	5.0543	0.6930	5.7473	1.3687	0.6525	2.0212	0.0000	9,684.995 6	9,684.995 6	0.7168	0.5870	9,877.596 2
Maximum	53.3381	40.4022	34.1602	0.0996	19.8049	1.6559	21.4182	10.1417	1.5242	11.6259	0.0000	10,069.46 02	10,069.46 02	1.9509	0.6315	10,276.13 77

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	3.8915	40.4022	34.1602	0.0996	7.7884	1.6559	9.4017	3.9729	1.5242	5.4571	0.0000	10,069.46 02	10,069.46 02	1.9509	0.6315	10,276.13 77
2023	3.5518	21.4870	32.5961	0.0973	4.2147	0.7808	4.9955	1.1626	0.7353	1.8979	0.0000	9,857.779 5	9,857.779 5	0.7210	0.6056	10,056.26 44
2024	53.3381	20.3717	31.4473	0.0954	4.2147	0.6930	4.9077	1.1626	0.6525	1.8152	0.0000	9,684.995 6	9,684.995 6	0.7168	0.5870	9,877.596 2
Maximum	53.3381	40.4022	34.1602	0.0996	7.7884	1.6559	9.4017	3.9729	1.5242	5.4571	0.0000	10,069.46 02	10,069.46 02	1.9509	0.6315	10,276.13 77

Adelanto-35 Warehouse Project - 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	45.78	0.00	41.50	51.10	0.00	41.78	0.00	0.00	0.00	0.00	0.00	0.00

Adelanto-35 Warehouse Project - 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	15.0957	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Energy	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421
Mobile	4.4511	5.3495	37.7313	0.0790	7.8058	0.0655	7.8713	2.0808	0.0615	2.1423		8,169.1877	8,169.1877	0.4181	0.3922	8,296.5056
Total	19.8238	7.8687	39.9438	0.0941	7.8058	0.2573	8.0630	2.0808	0.2533	2.3341		11,191.3801	11,191.3801	0.4765	0.4476	11,336.6698

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	14.0274	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Energy	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421
Mobile	4.4511	5.3495	37.7313	0.0790	7.8058	0.0655	7.8713	2.0808	0.0615	2.1423		8,169.1877	8,169.1877	0.4181	0.3922	8,296.5056
Total	18.7555	7.8687	39.9438	0.0941	7.8058	0.2573	8.0630	2.0808	0.2533	2.3341		11,191.3801	11,191.3801	0.4765	0.4476	11,336.6698

Adelanto-35 Warehouse Project - 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	5.39	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	8/1/2022	8/26/2022	5	20	
2	Grading	Grading	8/27/2022	10/28/2022	5	45	
3	Building Construction	Building Construction	10/29/2022	7/5/2024	5	440	
4	Paving	Paving	7/6/2024	8/23/2024	5	35	
5	Architectural Coating	Architectural Coating	8/24/2024	11/15/2024	5	60	

Acres of Grading (Site Preparation Phase): 30**Acres of Grading (Grading Phase): 135****Acres of Paving: 10.33****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 985,365; Non-Residential Outdoor: 328,455; Striped Parking Area: 27,141 (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

Adelanto-35 Warehouse Project - 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	576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	465.00	182.00	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	93.00	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

Adelanto-35 Warehouse Project - 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		3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061 9	3,686.061 9	1.1922		3,715.865 5

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

Adelanto-35 Warehouse Project - 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

Adelanto-35 Warehouse Project - 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	0.0404	1.5144	0.3905	7.3800e-003	0.2246	0.0202	0.2448	0.0616	0.0193	0.0809		780.9826	780.9826	2.0500e-003	0.1228	817.6138
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	0.1197	1.5587	1.0105	8.9100e-003	0.3889	0.0210	0.4099	0.1052	0.0201	0.1253		936.7362	936.7362	6.6700e-003	0.1270	974.7550

Adelanto-35 Warehouse Project - 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	0.0404	1.5144	0.3905	7.3800e-003	0.1907	0.0202	0.2109	0.0533	0.0193	0.0726		780.9826	780.9826	2.0500e-003	0.1228	817.6138
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	0.1197	1.5587	1.0105	8.9100e-003	0.3265	0.0210	0.3475	0.0899	0.0201	0.1099		936.7362	936.7362	6.6700e-003	0.1270	974.7550

Adelanto-35 Warehouse Project - 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2

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	0.3433	7.4355	3.3803	0.0370	1.2345	0.1039	1.3384	0.3555	0.0994	0.4549		3,893.854 1	3,893.854 1	0.0200	0.5323	4,052.973 1
Worker	1.8420	1.0296	14.4166	0.0356	3.8199	0.0193	3.8391	1.0132	0.0177	1.0309		3,621.272 5	3,621.272 5	0.1074	0.0992	3,653.532 5
Total	2.1853	8.4651	17.7968	0.0726	5.0543	0.1231	5.1775	1.3687	0.1171	1.4858		7,515.126 6	7,515.126 6	0.1274	0.6315	7,706.505 5

Adelanto-35 Warehouse Project - 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 - 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					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

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	0.3433	7.4355	3.3803	0.0370	1.0588	0.1039	1.1627	0.3124	0.0994	0.4118		3,893.854 1	3,893.854 1	0.0200	0.5323	4,052.973 1
Worker	1.8420	1.0296	14.4166	0.0356	3.1559	0.0193	3.1752	0.8502	0.0177	0.8680		3,621.272 5	3,621.272 5	0.1074	0.0992	3,653.532 5
Total	2.1853	8.4651	17.7968	0.0726	4.2147	0.1231	4.3379	1.1626	0.1171	1.2798		7,515.126 6	7,515.126 6	0.1274	0.6315	7,706.505 5

Adelanto-35 Warehouse Project - 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	0.2806	6.1950	3.1689	0.0359	1.2345	0.0630	1.2974	0.3555	0.0602	0.4157		3,777.8716	3,777.8716	0.0167	0.5141	3,931.5008
Worker	1.6984	0.9072	13.1832	0.0344	3.8199	0.0181	3.8380	1.0132	0.0167	1.0299		3,524.6980	3,524.6980	0.0964	0.0914	3,554.3576
Total	1.9790	7.1021	16.3521	0.0704	5.0543	0.0811	5.1354	1.3687	0.0769	1.4456		7,302.5696	7,302.5696	0.1131	0.6056	7,485.8584

Adelanto-35 Warehouse Project - 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	0.2806	6.1950	3.1689	0.0359	1.0588	0.0630	1.1218	0.3124	0.0602	0.3726		3,777.8716	3,777.8716	0.0167	0.5141	3,931.5008
Worker	1.6984	0.9072	13.1832	0.0344	3.1559	0.0181	3.1740	0.8502	0.0167	0.8669		3,524.6980	3,524.6980	0.0964	0.0914	3,554.3576
Total	1.9790	7.1021	16.3521	0.0704	4.2147	0.0811	4.2957	1.1626	0.0769	1.2395		7,302.5696	7,302.5696	0.1131	0.6056	7,485.8584

Adelanto-35 Warehouse Project - 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		2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7

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	0.2708	6.1237	3.0555	0.0352	1.2344	0.0626	1.2971	0.3555	0.0599	0.4154		3,695.568 5	3,695.568 5	0.0159	0.5023	3,845.651 9
Worker	1.5720	0.8042	12.2250	0.0333	3.8199	0.0171	3.8370	1.0132	0.0157	1.0289		3,433.728 2	3,433.728 2	0.0868	0.0847	3,461.136 7
Total	1.8427	6.9279	15.2805	0.0685	5.0543	0.0797	5.1340	1.3687	0.0756	1.4443		7,129.296 7	7,129.296 7	0.1027	0.5870	7,306.788 6

Adelanto-35 Warehouse Project - 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	2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7

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	0.2708	6.1237	3.0555	0.0352	1.0588	0.0626	1.1214	0.3124	0.0599	0.3723		3,695.568 5	3,695.568 5	0.0159	0.5023	3,845.651 9
Worker	1.5720	0.8042	12.2250	0.0333	3.1559	0.0171	3.1730	0.8502	0.0157	0.8660		3,433.728 2	3,433.728 2	0.0868	0.0847	3,461.136 7
Total	1.8427	6.9279	15.2805	0.0685	4.2147	0.0797	4.2944	1.1626	0.0756	1.2383		7,129.296 7	7,129.296 7	0.1027	0.5870	7,306.788 6

Adelanto-35 Warehouse Project - 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 - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7733					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7614	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0507	0.0259	0.3944	1.0700e-003	0.1232	5.5000e-004	0.1238	0.0327	5.1000e-004	0.0332		110.7654	110.7654	2.8000e-003	2.7300e-003	111.6496
Total	0.0507	0.0259	0.3944	1.0700e-003	0.1232	5.5000e-004	0.1238	0.0327	5.1000e-004	0.0332		110.7654	110.7654	2.8000e-003	2.7300e-003	111.6496

Adelanto-35 Warehouse Project - 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 - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7733					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7614	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0507	0.0259	0.3944	1.0700e-003	0.1018	5.5000e-004	0.1024	0.0274	5.1000e-004	0.0279		110.7654	110.7654	2.8000e-003	2.7300e-003	111.6496
Total	0.0507	0.0259	0.3944	1.0700e-003	0.1018	5.5000e-004	0.1024	0.0274	5.1000e-004	0.0279		110.7654	110.7654	2.8000e-003	2.7300e-003	111.6496

Adelanto-35 Warehouse Project - 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 - 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					
Archit. Coating	52.8429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	53.0237	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.3144	0.1608	2.4450	6.6600e-003	0.7640	3.4200e-003	0.7674	0.2026	3.1400e-003	0.2058		686.7456	686.7456	0.0174	0.0169	692.2273
Total	0.3144	0.1608	2.4450	6.6600e-003	0.7640	3.4200e-003	0.7674	0.2026	3.1400e-003	0.2058		686.7456	686.7456	0.0174	0.0169	692.2273

Adelanto-35 Warehouse Project - 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 - 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					
Archit. Coating	52.8429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	53.0237	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.3144	0.1608	2.4450	6.6600e-003	0.6312	3.4200e-003	0.6346	0.1701	3.1400e-003	0.1732		686.7456	686.7456	0.0174	0.0169	692.2273
Total	0.3144	0.1608	2.4450	6.6600e-003	0.6312	3.4200e-003	0.6346	0.1701	3.1400e-003	0.1732		686.7456	686.7456	0.0174	0.0169	692.2273

Adelanto-35 Warehouse Project - 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	4.4511	5.3495	37.7313	0.0790	7.8058	0.0655	7.8713	2.0808	0.0615	2.1423		8,169.187 7	8,169.187 7	0.4181	0.3922	8,296.505 6
Unmitigated	4.4511	5.3495	37.7313	0.0790	7.8058	0.0655	7.8713	2.0808	0.0615	2.1423		8,169.187 7	8,169.187 7	0.4181	0.3922	8,296.505 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	97.40	22.10	7.00	176,193	176,193
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	844.22	844.22	844.22	2,464,700	2,464,700
Refrigerated Warehouse-No Rail	342.86	342.86	342.86	1,000,993	1,000,993
Total	1,284.48	1,209.18	1,194.08	3,641,886	3,641,886

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

Adelanto-35 Warehouse Project - 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	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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3
Refrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	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
Parking Lot	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
Unrefrigerated Warehouse-No Rail	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
Refrigerated Warehouse-No Rail	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

Adelanto-35 Warehouse Project - 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
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421
NaturalGas Unmitigated	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421

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					
General Office Building	93.9726	1.0100e-003	9.2100e-003	7.7400e-003	6.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004		11.0556	11.0556	2.1000e-004	2.0000e-004	11.1213
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	22921.1	0.2472	2.2472	1.8876	0.0135		0.1708	0.1708		0.1708	0.1708		2,696.5961	2,696.5961	0.0517	0.0494	2,712.6206
Unrefrigerated Warehouse-No Rail	2671.82	0.0288	0.2619	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.3323	314.3323	6.0200e-003	5.7600e-003	316.2002
Total		0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421

Adelanto-35 Warehouse Project - 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

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					
General Office Building	0.0939726	1.0100e-003	9.2100e-003	7.7400e-003	6.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004		11.0556	11.0556	2.1000e-004	2.0000e-004	11.1213
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	22.9211	0.2472	2.2472	1.8876	0.0135		0.1708	0.1708		0.1708	0.1708		2,696.5961	2,696.5961	0.0517	0.0494	2,712.6206
Unrefrigerated Warehouse-No Rail	2.67182	0.0288	0.2619	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.3323	314.3323	6.0200e-003	5.7600e-003	316.2002
Total		0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

Adelanto-35 Warehouse Project - 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
Category	lb/day										lb/day					
Mitigated	14.0274	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Unmitigated	15.0957	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221

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	0.8687					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2181					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9700e-003	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Total	15.0957	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221

Adelanto-35 Warehouse Project - 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	0.8514					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.1670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9700e-003	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Total	14.0274	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Adelanto-35 Warehouse Project - 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**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

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Adelanto-35 Warehouse Project**
Mojave Desert AQMD Air District, Winter**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Unrefrigerated Warehouse-No Rail	485.18	1000sqft	11.14	485,182.00	0
Parking Lot	288.00	Space	2.59	115,200.00	0
Parking Lot	7.74	Acre	7.74	337,154.40	0
Refrigerated Warehouse-No Rail	161.73	1000sqft	3.71	161,728.00	0

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 -

Construction Phase - No demolition phase; acrh coating increased to reflect size and scope of project as compared with similar projects

Grading - Acres graded and import per earthwork volume ananlysis

Architectural Coating - VOC per MDAQMD Rules

Woodstoves - No wood fireplaces

Area Coating - VOC per MDAQMD Rule 1113

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

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Winter

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

Area Mitigation - Coatings Mitigation per Rule 1113 and use Low VOC cleaning supplies if available

Water Mitigation - use low flow fixtures

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	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	PhaseEndDate	10/11/2024	11/15/2024
tblTripsAndVMT	HaulingTripNumber	0.00	576.00

2.0 Emissions Summary

Adelanto-35 Warehouse Project - 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)****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	3.7340	40.4869	31.3612	0.0957	19.8049	1.6559	21.4182	10.1417	1.5242	11.6259	0.0000	9,670.898 3	9,670.898 3	1.9508	0.6349	9,878.604 5
2023	3.3668	21.9111	30.0635	0.0936	5.0543	0.7810	5.8353	1.3687	0.7355	2.1042	0.0000	9,475.461 9	9,475.461 9	0.7221	0.6094	9,675.113 2
2024	53.3079	20.7879	29.1286	0.0918	5.0543	0.6932	5.7475	1.3687	0.6527	2.0214	0.0000	9,313.654 5	9,313.654 5	0.7168	0.5906	9,507.361 8
Maximum	53.3079	40.4869	31.3612	0.0957	19.8049	1.6559	21.4182	10.1417	1.5242	11.6259	0.0000	9,670.898 3	9,670.898 3	1.9508	0.6349	9,878.604 5

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	3.7340	40.4869	31.3612	0.0957	7.7884	1.6559	9.4017	3.9729	1.5242	5.4571	0.0000	9,670.898 3	9,670.898 3	1.9508	0.6349	9,878.604 5
2023	3.3668	21.9111	30.0635	0.0936	4.2147	0.7810	4.9957	1.1626	0.7355	1.8981	0.0000	9,475.461 9	9,475.461 9	0.7221	0.6094	9,675.113 2
2024	53.3079	20.7879	29.1286	0.0918	4.2147	0.6932	4.9079	1.1626	0.6527	1.8153	0.0000	9,313.654 5	9,313.654 5	0.7168	0.5906	9,507.361 8
Maximum	53.3079	40.4869	31.3612	0.0957	7.7884	1.6559	9.4017	3.9729	1.5242	5.4571	0.0000	9,670.898 3	9,670.898 3	1.9508	0.6349	9,878.604 5

Adelanto-35 Warehouse Project - 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	45.78	0.00	41.50	51.10	0.00	41.78	0.00	0.00	0.00	0.00	0.00	0.00

Adelanto-35 Warehouse Project - 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	15.0957	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Energy	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421
Mobile	3.6636	5.6715	33.0757	0.0723	7.8058	0.0656	7.8714	2.0808	0.0616	2.1424		7,480.5232	7,480.5232	0.4303	0.4000	7,610.4925
Total	19.0363	8.1907	35.2882	0.0875	7.8058	0.2573	8.0631	2.0808	0.2533	2.3341		10,502.7157	10,502.7157	0.4887	0.4554	10,650.6567

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	14.0274	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Energy	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421
Mobile	3.6636	5.6715	33.0757	0.0723	7.8058	0.0656	7.8714	2.0808	0.0616	2.1424		7,480.5232	7,480.5232	0.4303	0.4000	7,610.4925
Total	17.9680	8.1907	35.2882	0.0875	7.8058	0.2573	8.0631	2.0808	0.2533	2.3341		10,502.7157	10,502.7157	0.4887	0.4554	10,650.6567

Adelanto-35 Warehouse Project - 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	5.61	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	8/1/2022	8/26/2022	5	20	
2	Grading	Grading	8/27/2022	10/28/2022	5	45	
3	Building Construction	Building Construction	10/29/2022	7/5/2024	5	440	
4	Paving	Paving	7/6/2024	8/23/2024	5	35	
5	Architectural Coating	Architectural Coating	8/24/2024	11/15/2024	5	60	

Acres of Grading (Site Preparation Phase): 30**Acres of Grading (Grading Phase): 135****Acres of Paving: 10.33****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 985,365; Non-Residential Outdoor: 328,455; Striped Parking Area: 27,141 (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

Adelanto-35 Warehouse Project - 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	576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	465.00	182.00	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	93.00	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

Adelanto-35 Warehouse Project - 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		3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.061 9	3,686.061 9	1.1922		3,715.865 5

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

Adelanto-35 Warehouse Project - 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

Adelanto-35 Warehouse Project - 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	0.0379	1.5979	0.4020	7.3900e-003	0.2246	0.0202	0.2448	0.0616	0.0193	0.0809		781.9300	781.9300	1.9300e-003	0.1229	818.6029
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	0.1092	1.6434	0.8962	8.7500e-003	0.3889	0.0210	0.4099	0.1052	0.0201	0.1253		920.2705	920.2705	6.6200e-003	0.1272	958.3543

Adelanto-35 Warehouse Project - 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	0.0379	1.5979	0.4020	7.3900e-003	0.1907	0.0202	0.2109	0.0533	0.0193	0.0726		781.9300	781.9300	1.9300e-003	0.1229	818.6029
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	0.1092	1.6434	0.8962	8.7500e-003	0.3265	0.0210	0.3475	0.0899	0.0201	0.1100		920.2705	920.2705	6.6200e-003	0.1272	958.3543

Adelanto-35 Warehouse Project - 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 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2

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	0.3273	7.8631	3.5074	0.0371	1.2345	0.1042	1.3386	0.3555	0.0996	0.4552		3,900.147 1	3,900.147 1	0.0193	0.5340	4,059.750 7
Worker	1.6575	1.0589	11.4904	0.0316	3.8199	0.0193	3.8391	1.0132	0.0177	1.0309		3,216.417 6	3,216.417 6	0.1091	0.1009	3,249.221 6
Total	1.9848	8.9220	14.9978	0.0687	5.0543	0.1234	5.1777	1.3687	0.1174	1.4861		7,116.564 7	7,116.564 7	0.1284	0.6349	7,308.972 3

Adelanto-35 Warehouse Project - 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 - 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					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

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	0.3273	7.8631	3.5074	0.0371	1.0588	0.1042	1.1630	0.3124	0.0996	0.4120		3,900.147 1	3,900.147 1	0.0193	0.5340	4,059.750 7
Worker	1.6575	1.0589	11.4904	0.0316	3.1559	0.0193	3.1752	0.8502	0.0177	0.8680		3,216.417 6	3,216.417 6	0.1091	0.1009	3,249.221 6
Total	1.9848	8.9220	14.9978	0.0687	4.2147	0.1234	4.3381	1.1626	0.1174	1.2800		7,116.564 7	7,116.564 7	0.1284	0.6349	7,308.972 3

Adelanto-35 Warehouse Project - 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	0.2623	6.5936	3.2790	0.0360	1.2345	0.0632	1.2976	0.3555	0.0604	0.4159		3,788.4810	3,788.4810	0.0159	0.5164	3,942.7715
Worker	1.5318	0.9327	10.5405	0.0306	3.8199	0.0181	3.8380	1.0132	0.0167	1.0299		3,131.7710	3,131.7710	0.0983	0.0930	3,161.9356
Total	1.7941	7.5263	13.8195	0.0666	5.0543	0.0812	5.1356	1.3687	0.0771	1.4458		6,920.2520	6,920.2520	0.1142	0.6094	7,104.7071

Adelanto-35 Warehouse Project - 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	0.2623	6.5936	3.2790	0.0360	1.0588	0.0632	1.1220	0.3124	0.0604	0.3728		3,788.4810	3,788.4810	0.0159	0.5164	3,942.7715
Worker	1.5318	0.9327	10.5405	0.0306	3.1559	0.0181	3.1740	0.8502	0.0167	0.8669		3,131.7710	3,131.7710	0.0983	0.0930	3,161.9356
Total	1.7941	7.5263	13.8195	0.0666	4.2147	0.0812	4.2959	1.1626	0.0771	1.2397		6,920.2520	6,920.2520	0.1142	0.6094	7,104.7071

Adelanto-35 Warehouse Project - 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	0.2525	6.5175	3.1663	0.0353	1.2344	0.0628	1.2973	0.3555	0.0601	0.4156		3,706.0577	3,706.0577	0.0152	0.5045	3,856.7777
Worker	1.4210	0.8266	9.7955	0.0296	3.8199	0.0171	3.8370	1.0132	0.0157	1.0289		3,051.8979	3,051.8979	0.0888	0.0861	3,079.7765
Total	1.6735	7.3441	12.9618	0.0648	5.0543	0.0799	5.1342	1.3687	0.0758	1.4445		6,757.9556	6,757.9556	0.1040	0.5906	6,936.5542

Adelanto-35 Warehouse Project - 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	2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7

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	0.2525	6.5175	3.1663	0.0353	1.0588	0.0628	1.1216	0.3124	0.0601	0.3725		3,706.057 7	3,706.057 7	0.0152	0.5045	3,856.777 7
Worker	1.4210	0.8266	9.7955	0.0296	3.1559	0.0171	3.1730	0.8502	0.0157	0.8660		3,051.897 9	3,051.897 9	0.0888	0.0861	3,079.776 5
Total	1.6735	7.3441	12.9618	0.0648	4.2147	0.0799	4.2946	1.1626	0.0758	1.2384		6,757.955 6	6,757.955 6	0.1040	0.5906	6,936.554 2

Adelanto-35 Warehouse Project - 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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7733					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7614	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0458	0.0267	0.3160	9.5000e-004	0.1232	5.5000e-004	0.1238	0.0327	5.1000e-004	0.0332		98.4483	98.4483	2.8700e-003	2.7800e-003	99.3476
Total	0.0458	0.0267	0.3160	9.5000e-004	0.1232	5.5000e-004	0.1238	0.0327	5.1000e-004	0.0332		98.4483	98.4483	2.8700e-003	2.7800e-003	99.3476

Adelanto-35 Warehouse Project - 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 - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7733					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7614	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0458	0.0267	0.3160	9.5000e-004	0.1018	5.5000e-004	0.1024	0.0274	5.1000e-004	0.0279		98.4483	98.4483	2.8700e-003	2.7800e-003	99.3476
Total	0.0458	0.0267	0.3160	9.5000e-004	0.1018	5.5000e-004	0.1024	0.0274	5.1000e-004	0.0279		98.4483	98.4483	2.8700e-003	2.7800e-003	99.3476

Adelanto-35 Warehouse Project - 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 - 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					
Archit. Coating	52.8429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	53.0237	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.2842	0.1653	1.9591	5.9200e-003	0.7640	3.4200e-003	0.7674	0.2026	3.1400e-003	0.2058		610.3796	610.3796	0.0178	0.0172	615.9553
Total	0.2842	0.1653	1.9591	5.9200e-003	0.7640	3.4200e-003	0.7674	0.2026	3.1400e-003	0.2058		610.3796	610.3796	0.0178	0.0172	615.9553

Adelanto-35 Warehouse Project - 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 - 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					
Archit. Coating	52.8429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	53.0237	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.2842	0.1653	1.9591	5.9200e-003	0.6312	3.4200e-003	0.6346	0.1701	3.1400e-003	0.1732		610.3796	610.3796	0.0178	0.0172	615.9553
Total	0.2842	0.1653	1.9591	5.9200e-003	0.6312	3.4200e-003	0.6346	0.1701	3.1400e-003	0.1732		610.3796	610.3796	0.0178	0.0172	615.9553

Adelanto-35 Warehouse Project - 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	3.6636	5.6715	33.0757	0.0723	7.8058	0.0656	7.8714	2.0808	0.0616	2.1424		7,480.523 2	7,480.523 2	0.4303	0.4000	7,610.492 5
Unmitigated	3.6636	5.6715	33.0757	0.0723	7.8058	0.0656	7.8714	2.0808	0.0616	2.1424		7,480.523 2	7,480.523 2	0.4303	0.4000	7,610.492 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	97.40	22.10	7.00	176,193	176,193
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	844.22	844.22	844.22	2,464,700	2,464,700
Refrigerated Warehouse-No Rail	342.86	342.86	342.86	1,000,993	1,000,993
Total	1,284.48	1,209.18	1,194.08	3,641,886	3,641,886

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Winter

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

	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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3
Refrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	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
Parking Lot	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
Unrefrigerated Warehouse-No Rail	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
Refrigerated Warehouse-No Rail	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

Adelanto-35 Warehouse Project - 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
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421
NaturalGas Unmitigated	0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421

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					
General Office Building	93.9726	1.0100e-003	9.2100e-003	7.7400e-003	6.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004		11.0556	11.0556	2.1000e-004	2.0000e-004	11.1213
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	22921.1	0.2472	2.2472	1.8876	0.0135		0.1708	0.1708		0.1708	0.1708		2,696.5961	2,696.5961	0.0517	0.0494	2,712.6206
Unrefrigerated Warehouse-No Rail	2671.82	0.0288	0.2619	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.3323	314.3323	6.0200e-003	5.7600e-003	316.2002
Total		0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421

Adelanto-35 Warehouse Project - 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

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					
General Office Building	0.0939726	1.0100e-003	9.2100e-003	7.7400e-003	6.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004		11.0556	11.0556	2.1000e-004	2.0000e-004	11.1213
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	22.9211	0.2472	2.2472	1.8876	0.0135		0.1708	0.1708		0.1708	0.1708		2,696.5961	2,696.5961	0.0517	0.0494	2,712.6206
Unrefrigerated Warehouse-No Rail	2.67182	0.0288	0.2619	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.3323	314.3323	6.0200e-003	5.7600e-003	316.2002
Total		0.2770	2.5183	2.1154	0.0151		0.1914	0.1914		0.1914	0.1914		3,021.9840	3,021.9840	0.0579	0.0554	3,039.9421

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

Adelanto-35 Warehouse Project - 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
Category	lb/day										lb/day					
Mitigated	14.0274	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Unmitigated	15.0957	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221

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	0.8687					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2181					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9700e-003	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Total	15.0957	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221

Adelanto-35 Warehouse Project - 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	0.8514					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.1670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9700e-003	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221
Total	14.0274	8.8000e-004	0.0971	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2085	0.2085	5.4000e-004		0.2221

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Adelanto-35 Warehouse Project - 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**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

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Adelanto-35 Warehouse Project**
Mojave Desert AQMD Air District, Annual**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Unrefrigerated Warehouse-No Rail	485.18	1000sqft	11.14	485,182.00	0
Parking Lot	288.00	Space	2.59	115,200.00	0
Parking Lot	7.74	Acre	7.74	337,154.40	0
Refrigerated Warehouse-No Rail	161.73	1000sqft	3.71	161,728.00	0

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 -

Construction Phase - No demolition phase; acrh coating increased to reflect size and scope of project as compared with similar projects

Grading - Acres graded and import per earthwork volume ananlysis

Architectural Coating - VOC per MDAQMD Rules

Woodstoves - No wood fireplaces

Area Coating - VOC per MDAQMD Rule 1113

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

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Annual

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

Area Mitigation - Coatings Mitigation per Rule 1113 and use Low VOC cleaning supplies if available

Water Mitigation - use low flow fixtures

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	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	PhaseEndDate	10/11/2024	11/15/2024
tblTripsAndVMT	HaulingTripNumber	0.00	576.00

2.0 Emissions Summary

Adelanto-35 Warehouse Project - 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****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	0.1968	1.7958	1.5989	4.1600e-003	0.5255	0.0744	0.5999	0.2163	0.0689	0.2852	0.0000	375.3383	375.3383	0.0659	0.0157	381.6566
2023	0.4246	2.8495	4.0000	0.0123	0.6459	0.1015	0.7474	0.1752	0.0956	0.2708	0.0000	1,127.1663	1,127.1663	0.0855	0.0723	1,150.8343
2024	1.8361	1.6121	2.3893	6.9400e-003	0.3600	0.0569	0.4169	0.0975	0.0535	0.1510	0.0000	636.5934	636.5934	0.0559	0.0369	648.9790
Maximum	1.8361	2.8495	4.0000	0.0123	0.6459	0.1015	0.7474	0.2163	0.0956	0.2852	0.0000	1,127.1663	1,127.1663	0.0855	0.0723	1,150.8343

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	0.1968	1.7958	1.5989	4.1600e-003	0.2591	0.0744	0.3335	0.0996	0.0689	0.1685	0.0000	375.3380	375.3380	0.0659	0.0157	381.6564
2023	0.4246	2.8495	4.0000	0.0123	0.5389	0.1015	0.6405	0.1489	0.0956	0.2445	0.0000	1,127.1659	1,127.1659	0.0855	0.0723	1,150.8340
2024	1.8361	1.6121	2.3893	6.9400e-003	0.3002	0.0569	0.3571	0.0828	0.0535	0.1364	0.0000	636.5931	636.5931	0.0559	0.0369	648.9788
Maximum	1.8361	2.8495	4.0000	0.0123	0.5389	0.1015	0.6405	0.1489	0.0956	0.2445	0.0000	1,127.1659	1,127.1659	0.0855	0.0723	1,150.8340

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	28.28	0.00	24.55	32.24	0.00	22.30	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	8-1-2022	10-31-2022	1.3620	1.3620
2	11-1-2022	1-31-2023	0.8948	0.8948
3	2-1-2023	4-30-2023	0.8009	0.8009
4	5-1-2023	7-31-2023	0.8227	0.8227
5	8-1-2023	10-31-2023	0.8254	0.8254
6	11-1-2023	1-31-2024	0.8157	0.8157
7	2-1-2024	4-30-2024	0.7666	0.7666
8	5-1-2024	7-31-2024	0.6638	0.6638
9	8-1-2024	9-30-2024	0.8359	0.8359
		Highest	1.3620	1.3620

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.7541	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	0.0506	0.4596	0.3861	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	1,887.0041	1,887.0041	0.1266	0.0234	1,897.1309
Mobile	0.6502	1.0380	6.2777	0.0132	1.3742	0.0117	1.3859	0.3668	0.0110	0.3779	0.0000	1,239.7528	1,239.7528	0.0713	0.0662	1,261.2563
Waste						0.0000	0.0000		0.0000	0.0000	125.3266	0.0000	125.3266	7.4066	0.0000	310.4914
Water						0.0000	0.0000		0.0000	0.0000	48.0244	351.7046	399.7290	4.9623	0.1201	559.5651
Total	3.4549	1.4977	6.6725	0.0160	1.3742	0.0467	1.4209	0.3668	0.0460	0.4128	173.3510	3,478.4785	3,651.8295	12.5669	0.2096	4,028.4619

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.5592	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	0.0506	0.4596	0.3861	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	1,887.0041	1,887.0041	0.1266	0.0234	1,897.1309
Mobile	0.6502	1.0380	6.2777	0.0132	1.3742	0.0117	1.3859	0.3668	0.0110	0.3779	0.0000	1,239.7528	1,239.7528	0.0713	0.0662	1,261.2563
Waste						0.0000	0.0000		0.0000	0.0000	125.3266	0.0000	125.3266	7.4066	0.0000	310.4914
Water						0.0000	0.0000		0.0000	0.0000	42.0886	308.3683	350.4568	4.3489	0.1052	490.5379
Total	3.2599	1.4977	6.6725	0.0160	1.3742	0.0467	1.4209	0.3668	0.0460	0.4128	167.4152	3,435.1422	3,602.5574	11.9535	0.1948	3,959.4347

	ROG	NOx	CO	SO2	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	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42	1.25	1.35	4.88	7.08	1.71

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	8/1/2022	8/26/2022	5	20	
2	Grading	Grading	8/27/2022	10/28/2022	5	45	
3	Building Construction	Building Construction	10/29/2022	7/5/2024	5	440	

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

4	Paving	Paving	7/6/2024	8/23/2024	5	35
5	Architectural Coating	Architectural Coating	8/24/2024	11/15/2024	5	60

Acres of Grading (Site Preparation Phase): 30**Acres of Grading (Grading Phase): 135****Acres of Paving: 10.33****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 985,365; Non-Residential Outdoor: 328,455; Striped Parking Area: 27,141 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	465.00	182.00	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	93.00	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					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3308	0.1970	3.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	33.4394	33.4394	0.0108	0.0000	33.7098
Total	0.0317	0.3308	0.1970	3.8000e-004	0.1966	0.0161	0.2127	0.1010	0.0148	0.1159	0.0000	33.4394	33.4394	0.0108	0.0000	33.7098

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

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.4000e-004	4.7700e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1615	1.1615	4.0000e-005	4.0000e-005	1.1735
Total	6.0000e-004	4.4000e-004	4.7700e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1615	1.1615	4.0000e-005	4.0000e-005	1.1735

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					0.0767	0.0000	0.0767	0.0394	0.0000	0.0394	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3308	0.1970	3.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	33.4394	33.4394	0.0108	0.0000	33.7097
Total	0.0317	0.3308	0.1970	3.8000e-004	0.0767	0.0161	0.0928	0.0394	0.0148	0.0542	0.0000	33.4394	33.4394	0.0108	0.0000	33.7097

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

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.4000e-004	4.7700e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1615	1.1615	4.0000e-005	4.0000e-005	1.1735
Total	6.0000e-004	4.4000e-004	4.7700e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1615	1.1615	4.0000e-005	4.0000e-005	1.1735

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					0.2071	0.0000	0.2071	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0816	0.8740	0.6534	1.4000e-003		0.0368	0.0368		0.0338	0.0338	0.0000	122.7029	122.7029	0.0397	0.0000	123.6950
Total	0.0816	0.8740	0.6534	1.4000e-003	0.2071	0.0368	0.2439	0.0822	0.0338	0.1161	0.0000	122.7029	122.7029	0.0397	0.0000	123.6950

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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	8.9000e-004	0.0361	8.8900e-003	1.7000e-004	4.9700e-003	4.5000e-004	5.4300e-003	1.3700e-003	4.3000e-004	1.8000e-003	0.0000	15.9493	15.9493	4.0000e-005	2.5100e-003	16.6973
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	1.4900e-003	1.0900e-003	0.0119	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.9036	2.9036	1.0000e-004	9.0000e-005	2.9336
Total	2.3800e-003	0.0372	0.0208	2.0000e-004	8.6000e-003	4.7000e-004	9.0800e-003	2.3300e-003	4.5000e-004	2.7800e-003	0.0000	18.8529	18.8529	1.4000e-004	2.6000e-003	19.6310

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					0.0808	0.0000	0.0808	0.0321	0.0000	0.0321	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0816	0.8740	0.6534	1.4000e-003		0.0368	0.0368		0.0338	0.0338	0.0000	122.7027	122.7027	0.0397	0.0000	123.6948
Total	0.0816	0.8740	0.6534	1.4000e-003	0.0808	0.0368	0.1175	0.0321	0.0338	0.0659	0.0000	122.7027	122.7027	0.0397	0.0000	123.6948

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

3.3 Grading - 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	8.9000e-004	0.0361	8.8900e-003	1.7000e-004	4.2300e-003	4.5000e-004	4.6800e-003	1.1800e-003	4.3000e-004	1.6200e-003	0.0000	15.9493	15.9493	4.0000e-005	2.5100e-003	16.6973
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	1.4900e-003	1.0900e-003	0.0119	3.0000e-005	3.0000e-003	2.0000e-005	3.0200e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.9036	2.9036	1.0000e-004	9.0000e-005	2.9336
Total	2.3800e-003	0.0372	0.0208	2.0000e-004	7.2300e-003	4.7000e-004	7.7000e-003	1.9900e-003	4.5000e-004	2.4500e-003	0.0000	18.8529	18.8529	1.4000e-004	2.6000e-003	19.6310

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1382	52.1382	0.0125	0.0000	52.4505
Total	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1382	52.1382	0.0125	0.0000	52.4505

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 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	7.4800e-003	0.1766	0.0775	8.3000e-004	0.0274	2.3400e-003	0.0297	7.9000e-003	2.2400e-003	0.0101	0.0000	79.5343	79.5343	4.0000e-004	0.0109	82.7902
Worker	0.0347	0.0254	0.2772	7.3000e-004	0.0844	4.3000e-004	0.0849	0.0224	4.0000e-004	0.0228	0.0000	67.5092	67.5092	2.2900e-003	2.1500e-003	68.2069
Total	0.0422	0.2020	0.3547	1.5600e-003	0.1118	2.7700e-003	0.1146	0.0303	2.6400e-003	0.0330	0.0000	147.0435	147.0435	2.6900e-003	0.0130	150.9971

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	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1381	52.1381	0.0125	0.0000	52.4504
Total	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1381	52.1381	0.0125	0.0000	52.4504

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 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	7.4800e-003	0.1766	0.0775	8.3000e-004	0.0235	2.3400e-003	0.0258	6.9500e-003	2.2400e-003	9.1900e-003	0.0000	79.5343	79.5343	4.0000e-004	0.0109	82.7902
Worker	0.0347	0.0254	0.2772	7.3000e-004	0.0698	4.3000e-004	0.0702	0.0188	4.0000e-004	0.0192	0.0000	67.5092	67.5092	2.2900e-003	2.1500e-003	68.2069
Total	0.0422	0.2020	0.3547	1.5600e-003	0.0933	2.7700e-003	0.0961	0.0258	2.6400e-003	0.0284	0.0000	147.0435	147.0435	2.6900e-003	0.0130	150.9971

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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

3.4 Building Construction - 2023

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	0.0350	0.8504	0.4194	4.6800e-003	0.1581	8.2000e-003	0.1663	0.0456	7.8400e-003	0.0535	0.0000	446.0673	446.0673	1.9400e-003	0.0608	464.2380
Worker	0.1851	0.1291	1.4688	4.0900e-003	0.4877	2.3500e-003	0.4901	0.1295	2.1600e-003	0.1317	0.0000	379.7528	379.7528	0.0119	0.0114	383.4580
Total	0.2202	0.9795	1.8883	8.7700e-003	0.6458	0.0106	0.6564	0.1752	0.0100	0.1852	0.0000	825.8201	825.8201	0.0138	0.0723	847.6960

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0350	0.8504	0.4194	4.6800e-003	0.1358	8.2000e-003	0.1440	0.0402	7.8400e-003	0.0480	0.0000	446.0673	446.0673	1.9400e-003	0.0608	464.2380
Worker	0.1851	0.1291	1.4688	4.0900e-003	0.4032	2.3500e-003	0.4055	0.1088	2.1600e-003	0.1110	0.0000	379.7528	379.7528	0.0119	0.0114	383.4580
Total	0.2202	0.9795	1.8883	8.7700e-003	0.5389	0.0106	0.5495	0.1489	0.0100	0.1589	0.0000	825.8201	825.8201	0.0138	0.0723	847.6960

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	0.0993	0.9075	1.0913	1.8200e-003		0.0414	0.0414		0.0389	0.0389	0.0000	156.4982	156.4982	0.0370	0.0000	157.4233
Total	0.0993	0.9075	1.0913	1.8200e-003		0.0414	0.0414		0.0389	0.0389	0.0000	156.4982	156.4982	0.0370	0.0000	157.4233

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****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	0.0175	0.4363	0.2102	2.3800e-003	0.0821	4.2300e-003	0.0863	0.0237	4.0500e-003	0.0278	0.0000	226.5690	226.5690	9.6000e-004	0.0309	235.7850
Worker	0.0891	0.0594	0.7087	2.0500e-003	0.2532	1.1500e-003	0.2544	0.0673	1.0600e-003	0.0683	0.0000	192.1345	192.1345	5.5800e-003	5.5000e-003	193.9120
Total	0.1066	0.4957	0.9188	4.4300e-003	0.3354	5.3800e-003	0.3407	0.0910	5.1100e-003	0.0961	0.0000	418.7035	418.7035	6.5400e-003	0.0364	429.6970

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	0.0993	0.9075	1.0913	1.8200e-003		0.0414	0.0414		0.0389	0.0389	0.0000	156.4980	156.4980	0.0370	0.0000	157.4231
Total	0.0993	0.9075	1.0913	1.8200e-003		0.0414	0.0414		0.0389	0.0389	0.0000	156.4980	156.4980	0.0370	0.0000	157.4231

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0175	0.4363	0.2102	2.3800e-003	0.0705	4.2300e-003	0.0747	0.0209	4.0500e-003	0.0249	0.0000	226.5690	226.5690	9.6000e-004	0.0309	235.7850
Worker	0.0891	0.0594	0.7087	2.0500e-003	0.2093	1.1500e-003	0.2105	0.0565	1.0600e-003	0.0576	0.0000	192.1345	192.1345	5.5800e-003	5.5000e-003	193.9120
Total	0.1066	0.4957	0.9188	4.4300e-003	0.2798	5.3800e-003	0.2852	0.0773	5.1100e-003	0.0825	0.0000	418.7035	418.7035	6.5400e-003	0.0364	429.6970

3.5 Paving - 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	0.0173	0.1667	0.2560	4.0000e-004		8.2000e-003	8.2000e-003		7.5400e-003	7.5400e-003	0.0000	35.0464	35.0464	0.0113	0.0000	35.3298
Paving	0.0135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0308	0.1667	0.2560	4.0000e-004		8.2000e-003	8.2000e-003		7.5400e-003	7.5400e-003	0.0000	35.0464	35.0464	0.0113	0.0000	35.3298

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

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.0000e-004	5.9300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6069	1.6069	5.0000e-005	5.0000e-005	1.6217
Total	7.4000e-004	5.0000e-004	5.9300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6069	1.6069	5.0000e-005	5.0000e-005	1.6217

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	0.0173	0.1667	0.2560	4.0000e-004		8.2000e-003	8.2000e-003		7.5400e-003	7.5400e-003	0.0000	35.0464	35.0464	0.0113	0.0000	35.3298
Paving	0.0135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0308	0.1667	0.2560	4.0000e-004		8.2000e-003	8.2000e-003		7.5400e-003	7.5400e-003	0.0000	35.0464	35.0464	0.0113	0.0000	35.3298

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.0000e-004	5.9300e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.6069	1.6069	5.0000e-005	5.0000e-005	1.6217
Total	7.4000e-004	5.0000e-004	5.9300e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.6069	1.6069	5.0000e-005	5.0000e-005	1.6217

3.6 Architectural Coating - 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					
Archit. Coating	1.5853					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4200e-003	0.0366	0.0543	9.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	7.6598	7.6598	4.3000e-004	0.0000	7.6705
Total	1.5907	0.0366	0.0543	9.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	7.6598	7.6598	4.3000e-004	0.0000	7.6705

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

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	7.9200e-003	5.2800e-003	0.0630	1.8000e-004	0.0225	1.0000e-004	0.0226	5.9800e-003	9.0000e-005	6.0700e-003	0.0000	17.0786	17.0786	5.0000e-004	4.9000e-004	17.2366
Total	7.9200e-003	5.2800e-003	0.0630	1.8000e-004	0.0225	1.0000e-004	0.0226	5.9800e-003	9.0000e-005	6.0700e-003	0.0000	17.0786	17.0786	5.0000e-004	4.9000e-004	17.2366

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	1.5853					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4200e-003	0.0366	0.0543	9.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	7.6598	7.6598	4.3000e-004	0.0000	7.6705
Total	1.5907	0.0366	0.0543	9.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	7.6598	7.6598	4.3000e-004	0.0000	7.6705

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	7.9200e-003	5.2800e-003	0.0630	1.8000e-004	0.0186	1.0000e-004	0.0187	5.0200e-003	9.0000e-005	5.1200e-003	0.0000	17.0786	17.0786	5.0000e-004	4.9000e-004	17.2366
Total	7.9200e-003	5.2800e-003	0.0630	1.8000e-004	0.0186	1.0000e-004	0.0187	5.0200e-003	9.0000e-005	5.1200e-003	0.0000	17.0786	17.0786	5.0000e-004	4.9000e-004	17.2366

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6502	1.0380	6.2777	0.0132	1.3742	0.0117	1.3859	0.3668	0.0110	0.3779	0.0000	1,239.7528	1,239.7528	0.0713	0.0662	1,261.2563
Unmitigated	0.6502	1.0380	6.2777	0.0132	1.3742	0.0117	1.3859	0.3668	0.0110	0.3779	0.0000	1,239.7528	1,239.7528	0.0713	0.0662	1,261.2563

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	97.40	22.10	7.00	176,193	176,193
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	844.22	844.22	844.22	2,464,700	2,464,700
Refrigerated Warehouse-No Rail	342.86	342.86	342.86	1,000,993	1,000,993
Total	1,284.48	1,209.18	1,194.08	3,641,886	3,641,886

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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

	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
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3
Refrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	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
Parking Lot	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
Unrefrigerated Warehouse-No Rail	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
Refrigerated Warehouse-No Rail	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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,386.6807	1,386.6807	0.1170	0.0142	1,393.8344
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,386.6807	1,386.6807	0.1170	0.0142	1,393.8344
NaturalGas Mitigated	0.0506	0.4596	0.3861	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.3233	500.3233	9.5900e-003	9.1700e-003	503.2965
NaturalGas Unmitigated	0.0506	0.4596	0.3861	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.3233	500.3233	9.5900e-003	9.1700e-003	503.2965

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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					
General Office Building	34300	1.8000e-004	1.6800e-003	1.4100e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8304	1.8304	4.0000e-005	3.0000e-005	1.8413
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	8.36619e+006	0.0451	0.4101	0.3445	2.4600e-003		0.0312	0.0312		0.0312	0.0312	0.0000	446.4517	446.4517	8.5600e-003	8.1800e-003	449.1048
Unrefrigerated Warehouse-No Rail	975216	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	52.0412	52.0412	1.0000e-003	9.5000e-004	52.3505
Total		0.0506	0.4596	0.3861	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.3233	500.3233	9.6000e-003	9.1600e-003	503.2965

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	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					
General Office Building	34300	1.8000e-004	1.6800e-003	1.4100e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8304	1.8304	4.0000e-005	3.0000e-005	1.8413
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	8.36619e+006	0.0451	0.4101	0.3445	2.4600e-003		0.0312	0.0312		0.0312	0.0312	0.0000	446.4517	446.4517	8.5600e-003	8.1800e-003	449.1048
Unrefrigerated Warehouse-No Rail	975216	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	52.0412	52.0412	1.0000e-003	9.5000e-004	52.3505
Total		0.0506	0.4596	0.3861	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.3233	500.3233	9.6000e-003	9.1600e-003	503.2965

Adelanto-35 Warehouse Project - 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			
General Office Building	91900	16.2981	1.3800e-003	1.7000e-004	16.3821
Parking Lot	118004	20.9275	1.7700e-003	2.1000e-004	21.0355
Parking Lot	40320	7.1506	6.0000e-004	7.0000e-005	7.1875
Refrigerated Warehouse-No Rail	6.44324e+006	1,142.6805	0.0965	0.0117	1,148.5754
Unrefrigerated Warehouse-No Rail	1.12562e+006	199.6241	0.0169	2.0400e-003	200.6539
Total		1,386.6807	0.1171	0.0142	1,393.8344

Adelanto-35 Warehouse Project - 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****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	91900	16.2981	1.3800e-003	1.7000e-004	16.3821
Parking Lot	118004	20.9275	1.7700e-003	2.1000e-004	21.0355
Parking Lot	40320	7.1506	6.0000e-004	7.0000e-005	7.1875
Refrigerated Warehouse-No Rail	6.44324e+006	1,142.6805	0.0965	0.0117	1,148.5754
Unrefrigerated Warehouse-No Rail	1.12562e+006	199.6241	0.0169	2.0400e-003	200.6539
Total		1,386.6807	0.1171	0.0142	1,393.8344

6.0 Area Detail**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5592	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Unmitigated	2.7541	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

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	0.1585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5948					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	2.7541	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

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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	0.1554					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	2.5592	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Adelanto-35 Warehouse Project - 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	350.4568	4.3489	0.1052	490.5379
Unmitigated	399.7290	4.9623	0.1201	559.5651

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.77734 / 1.08934	6.8145	0.0584	1.4300e-003	8.7021
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	37.4001 / 0	98.2302	1.2260	0.0297	137.7179
Unrefrigerated Warehouse-No Rail	112.198 / 0	294.6844	3.6778	0.0890	413.1452
Total		399.7290	4.9623	0.1201	559.5651

Adelanto-35 Warehouse Project - 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			
General Office Building	1.55766 / 1.02289	6.1066	0.0512	1.2600e-003	7.7616
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	32.7774 / 0	86.0889	1.0744	0.0260	120.6960
Unrefrigerated Warehouse-No Rail	98.3302 / 0	258.2614	3.2233	0.0780	362.0804
Total		350.4568	4.3489	0.1052	490.5379

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Adelanto-35 Warehouse Project - 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	125.3266	7.4066	0.0000	310.4914
Unmitigated	125.3266	7.4066	0.0000	310.4914

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	9.3	1.8878	0.1116	0.0000	4.6770
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	152.03	30.8607	1.8238	0.0000	76.4561
Unrefrigerated Warehouse-No Rail	456.07	92.5781	5.4712	0.0000	229.3583
Total		125.3266	7.4066	0.0000	310.4914

Adelanto-35 Warehouse Project - 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			
General Office Building	9.3	1.8878	0.1116	0.0000	4.6770
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	152.03	30.8607	1.8238	0.0000	76.4561
Unrefrigerated Warehouse-No Rail	456.07	92.5781	5.4712	0.0000	229.3583
Total		125.3266	7.4066	0.0000	310.4914

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

Adelanto-35 Warehouse Project - Mojave Desert AQMD Air District, Annual

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

Equipment Type	Number
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11.0 Vegetation

Adelanto-35 Warehouse Project**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

Adelanto-35 Warehouse Project**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

Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	5.42000E-003	3.65600E-002	5.43000E-002	9.00000E-005	1.83000E-003	1.83000E-003	0.00000E+000	7.65976E+000	7.65976E+000	4.30000E-004	0.00000E+000	7.67054E+000
Cranes	6.69100E-002	7.23370E-001	3.50740E-001	1.11000E-003	3.01600E-002	2.77400E-002	0.00000E+000	9.75879E+001	9.75879E+001	3.15600E-002	0.00000E+000	9.83769E+001
Excavators	9.11000E-003	7.99600E-002	1.46480E-001	2.30000E-004	3.87000E-003	3.56000E-003	0.00000E+000	2.04123E+001	2.04123E+001	6.60000E-003	0.00000E+000	2.05773E+001
Forklifts	6.67300E-002	6.24390E-001	7.55060E-001	1.01000E-003	3.81800E-002	3.51200E-002	0.00000E+000	8.86323E+001	8.86323E+001	2.86700E-002	0.00000E+000	8.93489E+001
Generator Sets	6.64300E-002	5.90670E-001	8.07040E-001	1.45000E-003	2.74500E-002	2.74500E-002	0.00000E+000	1.24346E+002	1.24346E+002	5.38000E-003	0.00000E+000	1.24480E+002
Graders	9.34000E-003	1.18300E-001	3.87400E-002	1.50000E-004	3.76000E-003	3.46000E-003	0.00000E+000	1.30896E+001	1.30896E+001	4.23000E-003	0.00000E+000	1.31954E+001
Pavers	6.43000E-003	6.09600E-002	1.01250E-001	1.60000E-004	2.85000E-003	2.62000E-003	0.00000E+000	1.44521E+001	1.44521E+001	4.67000E-003	0.00000E+000	1.45689E+001
Paving Equipment	5.77000E-003	5.23600E-002	8.99400E-002	1.40000E-004	2.53000E-003	2.33000E-003	0.00000E+000	1.25249E+001	1.25249E+001	4.05000E-003	0.00000E+000	1.26261E+001
Rollers	5.10000E-003	5.33500E-002	6.47500E-002	9.00000E-005	2.82000E-003	2.60000E-003	0.00000E+000	8.06950E+000	8.06950E+000	2.61000E-003	0.00000E+000	8.13474E+000
Rubber Tired Dozers	4.39500E-002	4.61670E-001	1.88050E-001	4.50000E-004	2.19100E-002	2.01600E-002	0.00000E+000	3.93894E+001	3.93894E+001	1.27400E-002	0.00000E+000	3.97079E+001
Scrapers	3.68700E-002	4.02460E-001	2.86910E-001	6.80000E-004	1.57100E-002	1.44500E-002	0.00000E+000	6.00223E+001	6.00223E+001	1.94100E-002	0.00000E+000	6.05076E+001
Tractors/Loaders/Backhoes	1.00880E-001	1.02206E+000	1.47996E+000	2.06000E-003	5.06300E-002	4.65800E-002	0.00000E+000	1.81237E+002	1.81237E+002	5.86200E-002	0.00000E+000	1.82702E+002
Welders	5.52300E-002	3.10790E-001	3.68590E-001	5.60000E-004	1.18100E-002	1.18100E-002	0.00000E+000	4.14085E+001	4.14085E+001	4.47000E-003	0.00000E+000	4.15204E+001

Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	5.42000E-003	3.65600E-002	5.43000E-002	9.00000E-005	1.83000E-003	1.83000E-003	0.00000E+000	7.65975E+000	7.65975E+000	4.30000E-004	0.00000E+000	7.67053E+000
Cranes	6.69100E-002	7.23360E-001	3.50740E-001	1.11000E-003	3.01600E-002	2.77400E-002	0.00000E+000	9.75878E+001	9.75878E+001	3.15600E-002	0.00000E+000	9.83768E+001
Excavators	9.11000E-003	7.99600E-002	1.46480E-001	2.30000E-004	3.87000E-003	3.56000E-003	0.00000E+000	2.04123E+001	2.04123E+001	6.60000E-003	0.00000E+000	2.05773E+001
Forklifts	6.67300E-002	6.24390E-001	7.55050E-001	1.01000E-003	3.81800E-002	3.51200E-002	0.00000E+000	8.86322E+001	8.86322E+001	2.86700E-002	0.00000E+000	8.93488E+001
Generator Sets	6.64300E-002	5.90670E-001	8.07040E-001	1.45000E-003	2.74500E-002	2.74500E-002	0.00000E+000	1.24345E+002	1.24345E+002	5.38000E-003	0.00000E+000	1.24480E+002
Graders	9.34000E-003	1.18300E-001	3.87400E-002	1.50000E-004	3.76000E-003	3.46000E-003	0.00000E+000	1.30896E+001	1.30896E+001	4.23000E-003	0.00000E+000	1.31954E+001
Pavers	6.43000E-003	6.09600E-002	1.01250E-001	1.60000E-004	2.85000E-003	2.62000E-003	0.00000E+000	1.44521E+001	1.44521E+001	4.67000E-003	0.00000E+000	1.45689E+001
Paving Equipment	5.77000E-003	5.23600E-002	8.99400E-002	1.40000E-004	2.53000E-003	2.33000E-003	0.00000E+000	1.25249E+001	1.25249E+001	4.05000E-003	0.00000E+000	1.26261E+001
Rollers	5.10000E-003	5.33500E-002	6.47500E-002	9.00000E-005	2.82000E-003	2.60000E-003	0.00000E+000	8.06949E+000	8.06949E+000	2.61000E-003	0.00000E+000	8.13474E+000
Rubber Tired Dozers	4.39500E-002	4.61670E-001	1.88050E-001	4.50000E-004	2.19100E-002	2.01600E-002	0.00000E+000	3.93893E+001	3.93893E+001	1.27400E-002	0.00000E+000	3.97078E+001
Scrapers	3.68700E-002	4.02460E-001	2.86910E-001	6.80000E-004	1.57100E-002	1.44500E-002	0.00000E+000	6.00222E+001	6.00222E+001	1.94100E-002	0.00000E+000	6.05075E+001
Tractors/Loaders/Balckhoes	1.00880E-001	1.02206E+000	1.47996E+000	2.06000E-003	5.06300E-002	4.65800E-002	0.00000E+000	1.81237E+002	1.81237E+002	5.86200E-002	0.00000E+000	1.82702E+002
Welders	5.52300E-002	3.10790E-001	3.68590E-001	5.60000E-004	1.18100E-002	1.18100E-002	0.00000E+000	4.14085E+001	4.14085E+001	4.47000E-003	0.00000E+000	4.15203E+001

Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	1.30552E-006	1.30552E-006	0.00000E+000	0.00000E+000	1.30369E-006
Cranes	0.00000E+000	1.38242E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22966E-006	1.22966E-006	0.00000E+000	0.00000E+000	1.11815E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.79802E-007	9.79802E-007	0.00000E+000	0.00000E+000	9.71944E-007
Forklifts	0.00000E+000	0.00000E+000	1.32440E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.12826E-006	1.12826E-006	0.00000E+000	0.00000E+000	1.11921E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20631E-006	1.20631E-006	0.00000E+000	0.00000E+000	1.12468E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.52793E-006	1.52793E-006	0.00000E+000	0.00000E+000	7.57840E-007
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.38388E-006	1.38388E-006	0.00000E+000	0.00000E+000	1.37279E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	7.98412E-007	7.98412E-007	0.00000E+000	0.00000E+000	7.92008E-007
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23923E-006	1.23923E-006	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.26938E-006	1.26938E-006	0.00000E+000	0.00000E+000	1.25920E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16623E-006	1.16623E-006	0.00000E+000	0.00000E+000	1.15688E-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	1.15870E-006	1.15870E-006	0.00000E+000	0.00000E+000	1.14941E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20748E-006	1.20748E-006	0.00000E+000	0.00000E+000	1.20423E-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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Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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)	20.00		
Yes	Clean Paved Road	% PM Reduction	20.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	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	0.02	0.01	0.02	0.01	0.17	0.16
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.09	0.30	0.91	0.25	0.17	0.15
Grading	Fugitive Dust	0.21	0.08	0.08	0.03	0.61	0.61
Grading	Roads	0.01	0.00	0.01	0.00	0.16	0.15
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	0.20	0.10	0.08	0.04	0.61	0.61
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.17	0.18

Operational Percent Reduction Summary

Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.39	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	12.36	12.32	12.33	12.36	12.36	12.34
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	0.09	0.30		
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			

Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
Yes	Use Low VOC Paint (Non-residential Interior)	50.00
Yes	Use Low VOC Paint (Non-residential Exterior)	50.00
Yes	Use Low VOC Paint (Parking)	50.00
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		

Adelanto-35 Warehouse Project**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	
No	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
No	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

Adelanto-35 Warehouse Project**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	