

Memo

Date: August 1, 2024

To: Amy Wang
Project Manager
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From: Casey Divine & James Reyff
Illingworth & Rodkin, Inc.

Subject: **El Paseo and 1777 Saratoga Avenue Mixed-Use, San José, CA**
Air Quality Update (I&R Job # 20-030)

In July of 2021, *Illingworth & Rodkin, Inc. (I&R)* prepared an air quality assessment for the El Paseo and 1777 Saratoga Avenue Mixed-Use Project located in San José, California. The City of San José approved the El Paseo Mixed-Use Village Project and certified the El Paseo Mixed-Use Project Final Environmental Impact Report (FEIR) in June 2022. Project changes were made and approved in 2023, and now additional modifications to the project are proposed. The purpose of this memo is to provide an update to the original air quality analysis of this project.

Project Description and Modifications

The 2022 FEIR analyzed two development options (a Non-Education Mixed-Use Option and an Education Mixed-Use Option) and the project option approved by the City Council was evaluated under the Non-Education Mixed-Use Option (2022 FEIR Original Project). The 2022 FEIR Original Project included the redevelopment of the project sites with up to 1,100 multi-family residential units and 165,000 square feet of commercial space. The residential and commercial development would be located within four mixed-use buildings (Buildings 1 through 4). Building 1, 2, and 3 would be located on the El Paseo site and Building 4 would be located on the 1777 Saratoga Avenue site.

In 2023, the applicant proposed modifications to the Original Project, which was evaluated in the 2023 Addendum to the 2022 FEIR. The 2023 Modified Project eliminated 239 residential units, reduced the building height, reduced number of underground parking levels and spaces, and reduced commercial square footage in Building 3 to be relocated and reallocated to Buildings 1, 2

and 4. Overall, the 2023 Modified Project resulted in less overall new building square footage (i.e., Building 3 was reduced in size) but the same amount of development and land uses (i.e., same number of units and same number of commercial square footage) compared to the project evaluated in the certified 2022 FEIR.

Now, the applicant proposes additional changes to the approved 2023 Modified Project evaluated in the 2022 FEIR and 2023 Addendum. The 2024 Modified Project would continue to include a mix of residential and commercial uses on-site. The 2024 Modified Project includes an age-restricted, senior assisted living facility which was not proposed as part of the 2022 FEIR or the 2023 Addendum. In addition to the senior assisted living facility, the 2024 Modified Project proposes changes to Buildings 1, 2, and 4. No changes are proposed to Building 3. Compared to the 2023 Addendum, the 2024 Modified Project would result in an overall net increase of 154,790 square feet of commercial square footage and a net decrease in 325 residential units.

Construction Period Emissions

In order to compare emission results of the 2024 Modified Project to the 2022 FEIR Original Project, the California Emissions Estimator Model (CalEEMod) Version 2016.3.2 was used to estimate emissions from construction and operation of the site assuming full build-out of the 2024 Modified Project. The 2024 Modified Project land use types and size, and anticipated construction schedule, were input to CalEEMod. As also done in the 2022 FEIR analysis, the CARB Emission FACTors 2017 (EMFAC2017) model was used to predict emissions from construction traffic, which includes worker travel, vendor trucks, and haul trucks.¹ The model output from CalEEMod along with construction inputs are included as *Attachment 1* and EMFAC2017 vehicle emissions modeling outputs are included in *Attachment 2*. Construction modeling methods for the 2024 Modified Project were calculated the same as in the 2022 FEIR unless identified below.

CalEEMod Inputs

Land Uses

The proposed 2024 Modified Project would be constructed in several phases: the building demolition and Building 3 phase, the Buildings 1 and 2 phase, and the Building 4 phase. Separate CalEEMod runs were conducted for each phase to capture the total project construction over several years. The proposed 2024 Modified Project land uses were entered into CalEEMod as described in Table 1.²

¹ See CARB's EMFAC2017 Web Database at <https://www.arb.ca.gov/emfac/2017/>

² The land use inputs for the construction emissions modeling of the 2022 FEIR Original Project can be found in Table 6 of the original air quality assessment.

Table 1. Summary of 2024 Modified Project Land Use Inputs for Construction

Project Land Uses	Size	Units	Square Feet (sf)	Acreage
El Paseo Site: Building Demolition and Building 3 Phase (2024-2026)				
Strip Mall	58.37	1,000-sf	58,370	3.35
Enclosed Parking with Elevator	237	Parking Space	79,200	
Parking Lot	42	Parking Space	16,800	
El Paseo Site: Buildings 1 and 2 Phase (2025-2028)				
Apartments Mid-Rise	775	Dwelling Unit	783,459	5.82
Strip Mall	30.42	1,000-sf	30,420	
Enclosed Parking with Elevator	1,007	Parking Space	396,244	
Saratoga Site: Building 4 Phase (2026-2029)				
Congregate Care (Assisted Living)	279	Dwelling Unit	231,000	1.72
Enclosed Parking with Elevator	116	Parking Space	64,226	
Parking Lot	5	Parking Space	810	

Construction Inputs

CalEEMod computes annual emissions for construction that are based on the project type, size, and acreage. The model provides emission estimates for both on-site and off-site construction activities. On-site activities are primarily made up of construction equipment emissions, while off-site activity includes worker, hauling, and vendor traffic. The construction build-out scenario, including equipment quantities, average hours per day, total number of workdays, and schedule, were based on information provided by the project applicant (included in *Attachment I*). The applicant’s anticipated construction schedule provided a start date of January 2026, and the project would be built out over a period of approximately 47 months, or 1,280 construction workdays. The earliest full year of operation was assumed to be 2030.

Construction Traffic Emissions

Construction would produce traffic in the form of worker trips and truck traffic. The traffic-related emissions were based on worker and vendor trip estimates produced by CalEEMod and haul trips that were computed based on the estimate of demolition material to be exported, soil material imported and/or exported to the site, and the estimate of cement and asphalt truck trips. CalEEMod provided daily estimates of worker and vendor trips for each applicable phase. Haul trips during demolition, grading, and trenching were estimated by CalEEMod from the provided demolition and soil volumes. The number of concrete and asphalt total round haul trips were provided for the project and converted to total one-way trips, assuming two trips per delivery.

The construction traffic information was combined with EMFAC2017 motor vehicle emissions factors. On-road emissions in Santa Clara County for the years 2024 - 2029 were used in these calculations. Table 2 provides the traffic inputs that were combined with the EMFAC2017 emission database to compute vehicle emissions.³

³ The inputs for the vehicle emissions modeling of the 2022 FEIR Original Project can be found in Table 7 of the original air quality assessment.

Table 2. Construction Traffic Data Used for 2024 Modified Project EMFAC2017 Model Runs

CalEEMod Run/Land Uses and Construction Phase	Trips by Trip Type			Notes
	Total Worker Trips ¹	Total Vendor Trips ¹	Total Haul Trips ²	
Vehicle mix ¹	72% LDA 6% LDT1 22% LDT2	38% MHDT 62% HHDT	100% HDDT	
Trip Length (miles)	10.8	7.3	20.0 (Demo/Soil) 7.3 Concrete/Asphalt	CalEEMod default distance with 5-min truck idle time.
El Paseo Site: Building Demolition and Building 3 Phase (2024-2026)				
Demolition	1,320	-	906	120,000-sf of existing building and 1,800 tons of existing pavement demolition. CalEEMod default worker trips.
Site Preparation	228	-	-	CalEEMod default worker trips.
Grading	2,580	-	6,875	55,000-cy soil export. CalEEMod default worker trips.
Trenching	1,200	-	2,800	1,400 concrete truck round trips. CalEEMod default worker trips.
Concrete	885	375	-	20 concrete trucks per phase day. CalEEMod default worker and vendor trips.
Building Construction	8,083	3425	-	CalEEMod default worker and vendor trips.
Architectural Coating	564	-	-	CalEEMod default worker trips.
Paving	1,422	-	216	200-cy asphalt and 250-cy concrete. CalEEMod default worker trips
El Paseo Site: Buildings 1 and 2 Phase (2025-2028)				
Building 1 Site Preparation	352	-	300	1,500 tons of existing pavement demolition. CalEEMod default worker trips.
Building 2 Site Preparation	450	-	300	1,500 tons of existing pavement demolition. CalEEMod default worker trips.
Buildings 1 & 2 Grading	5,670	-	12,063	96,500-cy soil export. CalEEMod default worker trips.
Buildings 1 & 2 Trenching	1,800	-	4,400	2,200 concrete truck round trips. CalEEMod default worker trips.
Building 1 Building Construction	157,810	32,895	3,060	1,530 concrete truck round trips. CalEEMod default worker and vendor trips.
Building 2 Building Construction	165,150	34,425	3,320	1,660 concrete truck round trips. CalEEMod default worker and vendor trips.
Building 1 Architectural Coating	33,810	-	-	CalEEMod default worker trips.
Building 2 Architectural Coating	41,748	-	-	CalEEMod default worker trips.
Building 1 Paving	1,245	-	120	500-cy concrete. CalEEMod default worker trips.
Building 2 Paving	1,380	-	120	500-cy concrete. CalEEMod default worker trips.

CalEEMod Run/Land Uses and Construction Phase	Trips by Trip Type			Notes
	Total Worker Trips ¹	Total Vendor Trips ¹	Total Haul Trips ²	
Saratoga Site: Building 4 Phase (2026-2029)				
Demolition	774	-	265	34,000-sf of existing building and 550 tons of existing pavement demolition. CalEEMod default worker trips.
Site Preparation	312	-	12	60 tons of existing pavement demolition. CalEEMod default worker trips.
Grading	2,760	-	3,500	28,000-cy soil export. CalEEMod default worker trips.
Trenching	1,305	-	1,700	850 concrete truck round trips. CalEEMod default worker trips.
Building Construction	58,365	10,240	-	CalEEMod default worker and vendor trips.
Architectural Coating	10,810	-	-	CalEEMod default worker trips.
Paving	738	-	137	300-cy asphalt and 270-cy concrete. CalEEMod default worker trips.
Notes: ¹ Based on 2024-2029 EMFAC2017 light-duty vehicle fleet mix for Santa Clara County. ² Includes demolition, site preparation, and grading trips estimated by CalEEMod based on amount of material to be removed. Cement and asphalt trips estimated based on data provided by the applicant.				

Summary of Computed Construction Period Emissions

Table 3 shows the annualized average daily construction emissions of ROG, NO_x, PM₁₀ exhaust, and PM_{2.5} exhaust during construction of the 2024 Modified Project.⁴ Average daily emissions for the updated project were annualized for each year of construction by dividing the annual construction emissions by the number of active workdays during that year. As indicated in Table 3, the predicted annualized 2024 Modified Project construction emissions would exceed the BAAQMD significance threshold for ROG during the year 2027. However, with the 2022 FEIR *Mitigation Measures AQ-1 through AQ-4*, ROG emissions would be reduced to a level below the threshold of 54 pounds per average day. All other construction criteria pollutant emissions, including NO_x, which was above the significance threshold during two years in the 2022 FEIR air quality analysis, are now predicted to be below the BAAQMD thresholds. The construction emissions from the 2024 Modified Project are less than what was calculated for the 2022 FEIR Original Project, which correlates with the smaller 2024 Modified Project. There are no new construction criteria pollutant emission impact findings or mitigation measures required for the 2024 Modified Project.

⁴ The construction criteria pollutant emissions of the 2022 FEIR Original Project can be found in Table 8 of the original air quality assessment

Table 3. Construction Period Emissions for 2024 Modified Project

Year	ROG		NOx		PM ₁₀ Exhaust		PM _{2.5} Exhaust	
<i>Construction Emissions Per Year (Tons)</i>								
Year	Unmit	Mit	Unmit	Mit	Unmit	Mit	Unmit	Mit
2024	0.09	0.03	0.97	0.20	0.04	0.01	0.04	0.01
2025	0.46	0.16	4.27	1.18	0.22	0.10	0.16	0.05
2026	1.37	0.30	4.15	1.05	0.24	0.12	0.17	0.06
2027	8.47	1.54	4.88	0.89	0.28	0.12	0.21	0.05
2028	4.11	0.76	2.10	0.58	0.15	0.09	0.10	0.04
2029	0.93	0.17	0.40	0.08	0.02	0.01	0.02	0.01
<i>Annualized Daily Construction Emissions (pounds/day)</i>								
Year	Unmit	Mit	Unmit	Mit	Unmit	Mit	Unmit	Mit
2024 (87 construction workdays)	2.13	0.60	22.30	4.63	0.98	0.22	0.84	0.14
2025 (261 construction workdays)	3.51	1.26	32.70	9.01	1.69	0.78	1.24	0.40
2026 (261 construction workdays)	10.50	2.31	31.83	8.05	1.83	0.90	1.30	0.42
2027 (261 construction workdays)	64.90	11.79	37.39	6.82	2.12	0.89	1.59	0.41
2028 (260 construction workdays)	31.59	5.83	16.12	4.45	1.13	0.69	0.73	0.30
2029 (150 construction workdays)	12.46	2.26	5.28	1.02	0.31	0.15	0.22	0.07
<i>BAAQMD Thresholds (pounds per day)</i>	54 lbs./day		54 lbs./day		82 lbs./day		54 lbs./day	
Exceed Threshold?	Yes (2027)	No	No	No	No	No	No	No
Notes: Unmit = Unmitigated, Mit = Mitigated								

Operational Period Emissions

Operational modeling methods for the 2024 Modified Project were calculated the same as in the 2022 FEIR unless identified below. Operational criteria air pollutant emissions from the 2024 Modified Project would be generated primarily from autos driven by future residents, employees, customers, and vendors. Evaporative emissions from architectural coatings and maintenance products (classified as consumer products) are typical emissions from these types of uses. The CalEEMod model was used to estimate emissions from operation of the 2024 Modified Project assuming full build-out.

CalEEMod Inputs

Land Uses

The 2024 Modified Project would be built out at the two separate El Paseo and Saratoga sites over multiple overlapping phases and years. Therefore, separate operational CalEEMod runs were conducted for the El Paseo and Saratoga sites to calculate the operational emissions of the entire completed project. The proposed operational land uses for the completed project were input into

CalEEMod as described in Table 4.⁵

Table 4. Summary of 2024 Modified Project Land Use Inputs for Operation

Project Land Uses	Size	Units	Square Feet	Acres
<i>El Paseo Site</i>				
Apartments Mid Rise	775	Dwelling Unit	783,459	7.13
Strip Mall	88.79	1,000-sf	88,790	
Enclosed Parking with Elevator	1,244	Parking Space	475,444	
Parking Lot	42	Parking Space	16,800	
<i>Saratoga Site</i>				
Congregate Care (Assisted Living)	279	Dwelling Unit	231,000	1.72
Enclosed Parking with Elevator	116	Parking Space	64,226	
Parking Lot	5	Parking Space	810	

Model Year

Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CalEEMod. The earliest year of full operation for the entire project would be 2030 if construction begins in 2024. Emissions associated with build-out later than 2030 would be lower.

Operational Trip Generation Rates

CalEEMod allows the user to enter specific vehicle trip generation rates. Therefore, the project-specific daily trip generation rate provided by the traffic consultant was entered into the model.⁶ The project would produce 3,251 net daily trips taking into account the *Residential/Retail Internal Capture Reduction, Residential/Assisted Living Internal Capture Reduction, Retail/Assisted Living Internal Capture Reduction, Location-Based Non-Vehicle Mode Shore Reduction, Pass-By Reduction, and Project-Specific Trip Reduction*. The daily trip generation was calculated using the size of the project land uses and the adjusted total automobile trips per land use. The Saturday and Sunday trip rates were adjusted by multiplying the ratio of the CalEEMod default rates for Saturday and Sunday trips to the default weekday rate with the project-specific daily weekday trip rate. The default trip types and lengths specified by CalEEMod were used.

EMFAC2017 Adjustment

The CalEEMod vehicle emission factors and fleet mix were updated with the emission rates and fleet mix from EMFAC2017, which were adjusted with the CARB EMFAC off-model adjustment factors. On-road emission rates from 2020 and 2030 Santa Clara County were used (See *Attachment 2*).

⁵ The land use inputs for the operational emissions modeling of the 2022 FEIR Original Project can be found in Table 9 of the original air quality assessment.

⁶ Email correspondence with Amy Wang, David J. Powers & Associates, Inc., June 17, 2024. Per 2024 Modified Project trip generation table from Hexagon Transportation Consultants, Inc.

Project Generators

The project proposes to include stand-by emergency diesel generators on the ground-floor of Buildings 1, 2, and 4 and on the roof of Building 3 for a total of four generators. Based on the provided information for the generators, Buildings 1 and 2 would have 550-kilowatt (kW) stand-by diesel generators with 737-horsepower (HP) diesel engines, Building 3 would have a 80-kW generator with a 107-HP engine, and Building 4 would have a 500-kW generator with a 670-HP engine. These generators would be tested periodically and power the buildings in the event of a power failure. For modeling purposes, it was assumed that the generators would be operated primarily for testing and maintenance purposes. CARB and BAAQMD requirements limit these engine operations to 50 hours each per year of non-emergency operation. During testing periods, the engine would typically be run for less than one hour. The engine would be required to meet CARB and EPA emission standards and consume commercially available California low-sulfur diesel fuel. The generator emissions were modeled using CalEEMod. Additionally, the generators would have to meet BAAQMD Best Available Control Technology (BACT) requirements for IC Engine-Compression Ignition: Stationary Emergency, non-Agricultural, non-direct drive fire pump sources. The emissions from the operation of the generators were calculated using the CalEEMod model.

Summary of Computed Operational Emissions

Annual emissions were predicted using CalEEMod and daily emissions were estimated assuming 365 days of operation. Table 5 shows the net annual and average daily emissions of ROG, NO_x, total PM₁₀, and total PM_{2.5} during operation of the 2024 Modified Project.⁷ The operational period emissions would not exceed the BAAQMD significance thresholds for the 2024 Modified Project. The operational emissions from the 2024 Modified Project are less than what was calculated for the 2022 FEIR Original Project, which correlates with the smaller 2024 Modified Project. There are no new operational criteria pollutant emission impact findings for the 2024 Modified Project.

Table 5. Operational Period Emissions for 2024 Modified Project

Scenario	ROG	NO_x	PM₁₀	PM_{2.5}
2030 Annual Project Operational Emissions (<i>tons/year</i>)	6.86	3.00	4.17	1.20
2020 Annual Existing El Paseo and Saratoga Sites Operational Emissions (<i>tons/year</i>)	1.41	1.45	1.34	0.37
Net Annual Emissions (<i>tons/year</i>)	5.45	1.55	2.83	0.83
<i>BAAQMD Thresholds (tons /year)</i>	<i>10 tons</i>	<i>10 tons</i>	<i>15 tons</i>	<i>10 tons</i>
<i>Exceed Threshold?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
2030 Daily Project Operational Emissions (<i>pounds/day</i>) ¹	29.87	8.47	15.53	4.57
<i>BAAQMD Thresholds (pounds/day)</i>	<i>54 lbs.</i>	<i>54 lbs.</i>	<i>82 lbs.</i>	<i>54 lbs.</i>
<i>Exceed Threshold?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

Notes: ¹ Assumes 365-day operation.

⁷ The operation criteria pollutant emissions of the 2022 FEIR Original Project can be found in Table 10 of the original air quality assessment

Health Risk from Project Construction

The 2022 FEIR air quality analysis found that unmitigated construction risk values would exceed the BAAQMD single-source threshold, requiring mitigation measures. More specifically, construction diesel particulate matter (DPM) emissions of 0.7268 tons (1,454 pounds) and fugitive PM_{2.5} emissions of 0.0966 tons (193 pounds) were the unmitigated total emissions for each pollutant which achieved a construction cancer risk of 35.79 per million and an annual PM_{2.5} concentration of 0.17 µg/m³ at the hypothetical receptor that would have maximum impacts, referred to as the maximum exposed individual (MEI). The mitigation measures consisted of using construction equipment with Tier 4 final engines, electric cranes, aerial lifts, and portable equipment, and enhanced BMPs to reduce the cancer risk impact at the MEI since only the cancer risk exceeded the BAAQMD single-source significance threshold.

For this 2024 Modified Project air quality analysis, total unmitigated construction DPM emissions of 0.4967 tons (994 pounds) were calculated in CalEEMod using the same one-mile on-site trip distance as the original analysis. This resulted in a 32 percent reduction of unmitigated construction DPM emissions. The project increased cancer risk is computed by summing the project construction cancer risk over the entire construction period. As a result, the unmitigated construction cancer risk is predicted to reduce from 35.79 per million to approximately 24 per million for the 2024 Modified Project.

As shown, the 2024 Modified Project's increased construction cancer risk still exceeds the BAAQMD single-source significance threshold, requiring mitigation to control emissions of DPM. The 2022 FEIR *Mitigation Measure AQ-1 and AQ-2* were applied in this analysis. This resulted in mitigated total construction DPM emissions of 0.0635 tons (127 pounds), an 87 percent reduction from the unmitigated total DPM emissions. As a result, the construction cancer risk would reduce from 24.46 per million to approximately 3 chances per million, which is well below the BAAQMD single-source significance threshold.

Unlike the increased cancer risk, the annual PM_{2.5} concentration is not additive but based on the annual maximum values for the entirety of the project. As shown in the 2022 FEIR air quality analysis, the Original Project's unmitigated construction annual PM_{2.5} concentration was 0.17 µg/m³. This was based on the year 2023 (third construction year) unmitigated annual PM_{2.5} emissions of 0.0234 tons (47 pounds), which was the largest of all the years. In this updated analysis, the 2024 Modified Project's maximum unmitigated construction annual PM_{2.5} emissions occur in the year 2026 (third construction year) at 0.0177 tons (35 pounds), which was the largest of all the years. This was a 24 percent reduction; therefore, a similar reduction in PM_{2.5} concentrations is expected.

However, the total annual PM_{2.5} concentration is a combination of the fugitive PM_{2.5} emissions and the maximum cancer risk concentration. The DPM emissions reduction of 32 percent in combination with the fugitive PM_{2.5} emissions reduction of 24 percent would cause the unmitigated total construction annual PM_{2.5} concentration to be reduced to about 0.12 µg/m³. This is below the BAAQMD single-source significance threshold. No additional mitigation is required, beyond those identified in the 2022 FEIR, to control construction annual PM_{2.5} emissions. The calculations for this construction health risk summary are provided in *Attachment 3*.

Health Risk from Project Operation

Operation of the project would have long-term emissions from mobile sources (i.e., traffic) and stationary sources (i.e., generators). While these emissions would not be as intensive at or near the site as construction activity, they would contribute to long-term effects to sensitive receptors.

Project Traffic

The 2022 FEIR air quality analysis found that the health risk impacts from project traffic were calculated to have a cancer risk of 0.05 per million and an annual PM_{2.5} concentration of 0.01 µg/m³ at the MEI based on the Original Project generating 5,159 net trips per day. The project traffic cancer risk contribution was less than one percent of the total 2022 FEIR Original Project cancer risk impact. The 2024 Modified Project would generate 3,251 net trips per day, which is a 37 percent reduction in generated project daily trips. As a result of this reduction in project trips, the cancer risk would be reduced from 0.05 per million to approximately 0.03 per million for the traffic of the 2024 Modified Project.

Project Stand-By Diesel Generators

The 2022 FEIR air quality analysis assumed that there would be four, 1,910-kW, 2,561-HP stand-by emergency diesel generators on the ground floor of each building, which would include BACT emission limits similar to U.S. EPA Tier 4 engines due to the size of the generators. The calculated total DPM and fugitive PM_{2.5} emissions from generator operations of the Original Project was 0.0082 tons (16 pounds). This resulted in a cancer risk impact of 0.15 per million and an annual PM_{2.5} concentration of less than 0.01 µg/m³ at the MEI from the project generators. The project generator cancer risk contribution was less than one percent of the total project cancer risk impact.

The 2024 Modified Project proposes stand-by emergency diesel generators on the ground-floor of Buildings 1, 2, and 4 and on the roof of Building 3 for a total of four generators. Buildings 1 and 2 would have 550-kW, 737-HP generators, Building 3 would have an 80-kW, 107-HP generator, and Building 4 would have a 500-kW, 670-HP generator. None of these generators are large enough where BAAQMD would require BACT in the form of U.S. EPA Tier 4 engine emission limits. Note, previously the Project included larger generators that would be required to meet U.S. EPA Tier 4 engine emissions limitations. The calculated total DPM and fugitive PM_{2.5} emissions from generator operations of the 2024 Modified Project is 0.0136 tons (27 pounds), which is a 61 percent increase in generator emissions. As a result, the 2024 Modified Project generator cancer risk is predicted to increase from 0.15 per million to approximately 0.24 per million and the annual PM_{2.5} concentration would remain at less than 0.01 µg/m³. The project generator cancer risk contribution would remain at approximately one percent of the total project cancer risk impact. This assessment assumes that generators would not be placed near sensitive receptors, which was the case for the 2022 FEIR Project. Therefore, with the 2022 FEIR mitigation measures proposed to address construction impacts, the 2024 Modified Project health risk impacts would be below significance thresholds.

Cumulative Impact Summary

For the cumulative analysis at the project MEI, the same stationary sources identified in the 2022 FEIR air quality analysis were used in this 2024 Modified Project air quality analysis. From Table 13 in the 2022 FEIR Original Project air quality analysis, the unmitigated cancer risk, annual PM_{2.5} concentration, and hazard index at the MEI was 39.56 per million, 0.31 µg/m³, and less than 0.07, respectively. With the 2024 Modified Project health risk impacts, the updated unmitigated cumulative risk impacts at the MEI are as follows:

- Cancer Risk: Approximately 28 per million
- Annual PM_{2.5} Concentration: Approximately 0.26 µg/m³
- Hazard Index: Approximately 0.06

As found in the 2022 FEIR air quality analysis, cumulative risk impacts are all below their respective BAAQMD cumulative-source threshold. These would be reduced further with mitigation measures applied to the project's construction.

Supporting Documentation

Attachment 1 includes the CalEEMod outputs for the 2024 Modified Project construction and operational criteria air pollutants. Also included are any modeling assumptions.

Attachment 3 includes the health risk calculations.

Attachment 1: CalEEMod Input Assumptions and Outputs

Air Quality/Noise Construction Information Data Request

Project Name: El Paseo: Demolition		Complete ALL Portions in Yellow
See Equipment Type TAB for type, horsepower and load factor		
Project Size	Dwelling Units <u>9.2</u> total project acres disturbed s.f. residential _____ s.f. retail _____ s.f. office/commercial _____ s.f. other, specify: _____ s.f. parking garage _____ spaces s.f. parking lot _____ spaces	Pile Driving? Y/N? No Project include OPERATIONAL GENERATOR OR FIRE PUMP on-site? Y/N? Yes IF YES (if BOTH separate values) --> Kilowatts/Horsepower: 60 hz Fuel Type: diesel Location in project (Plans Desired if Available):
Construction Hours	8 am to 5pm pm	

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	Annual Hours	Comments
Demolition		Start Date:	9/1/2024		Total phase:		55	Overall Import/Export Volumes
		End Date:	10/26/2024					
4	Concrete/Industrial Saws	81	0.73	4	25	1.82	400	Demolition Volume Square footage of buildings to be demolished: (or total tons to be hauled)
4	Excavators	158	0.38	8	35	5.09	1,120	
	Rubber-Tired Dozers	247	0.4				-	
4	Tractors/Loaders/Backhoes	97	0.37	8	45	6.55	1,440	120,000 Sf square feet or
1	Crushing/Processing Equipment	85	0.78	8	20	2.91	160	? Hauling volume (tons)
Any pavement demolished and hauled? 1,800 tons ; Asphalt removal								
Site Preparation		Start Date:			Total phase:			
		End Date:						
	Graders	187	0.41			#DIV/0!	-	
	Rubber Tired Dozers	247	0.4			#DIV/0!	-	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	-	
Grading / Excavation		Start Date:			Total phase:			
		End Date:						
0	Excavators	158	0.38	8		#DIV/0!	-	Soil Hauling Volume cubic yards off haul Import volume = 0 cubic yards?
0	Graders	187	0.41	8		#DIV/0!	-	
	Rubber Tired Dozers	247	0.4			#DIV/0!	-	
	Concrete/Industrial Saws	81	0.73			#DIV/0!	-	
0	Tractors/Loaders/Backhoes	97	0.37	8		#DIV/0!	-	
	Other Equipment?							
Trenching/Foundation		Start Date:			Total phase:			
		End Date:						
0	Tractor/Loader/Backhoe	97	0.37	8		#DIV/0!	-	
0	Excavators	158	0.38			#DIV/0!	-	
0	Concrete Pumps	84	0.74	10		#DIV/0!	-	
0								
Building - Exterior		Start Date:			Total phase:			Cement Trucks? ____ Total Round-Trips
		End Date:						
	Cranes	231	0.29	10		#DIV/0!	-	Electric? (Y/N) Yes Otherwise assumed diesel Liquid Propane (LPG)? (Y/N) No Otherwise Assumed diesel Or temporary line power? (Y/N) Yes
	Forklifts	89	0.2	8		#DIV/0!	-	
	Generator Sets	84	0.74			#DIV/0!	-	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	-	
	Welders	46	0.45	8		#DIV/0!	-	
	Concrete Pumps	84	0.74	8		#DIV/0!	-	
Building - Interior/Architectural Coating		Start Date:			Total phase:			
		End Date:						
	Air Compressors	78	0.48			#DIV/0!	-	
	Aerial Lift	62	0.31			#DIV/0!	-	
	Other Equipment?							
Paving		Start Date:			Total phase:			
		Start Date:						
	Cement and Mortar Mixers	9	0.56			#DIV/0!	-	Asphalt? ____ cubic yards or ____ round trips?
	Pavers	130	0.42			#DIV/0!	-	
	Paving Equipment	132	0.36			#DIV/0!	-	
	Rollers	80	0.38			#DIV/0!	-	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	-	
	Other Equipment?							
Concrete		Start Date:			Total phase:			
		Start Date:						
1	Concrete Pumps	84	0.74	15	15			
20	Concrete Trucks	62	0.31	15	15			

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs
 It is assumed that water trucks would be used during grading
Add or subtract phases and equipment, as appropriate
Modify horsepower or load factor, as appropriate

Complete one sheet for each project component

Air Quality/Noise Construction Information Data Request

Project Name: El Paseo: Building 3

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size	Dwelling Units	3.35 total project acres disturbed
	0 s.f. residential	
	58,370 s.f. retail	
	s.f. office/commercial	
	s.f. other, specify:	
	79,200 s.f. parking garage	237 spaces
	16,800 s.f. parking lot	42 spaces
Construction Hours	8 am to	6 pm

Pile Driving? Y/N? No

Project include OPERATIONAL GENERATOR OR FIRE PUMP on-site? Y/N? yes

IF YES (if BOTH separate values) -->

Kilowatts/Horsepower: 60hz
diesel _____

Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	Annual Hours	Comments
Demolition		Start Date:	NA	Total phase:				Overall Import/Export Volumes See Building Demo Sheet for Demolition
	End Date:							Demolition Volume
	Concrete/Industrial Saws	81	0.73			#DIV/0!	-	Square footage of buildings to be demolished (or total tons to be hauled)
	Excavators	158	0.38			#DIV/0!	-	7 square feet or
	Rubber-Tired Dozers	247	0.4			#DIV/0!	-	7 Hauling volume (tons)
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	-	Any pavement demolished and hauled? _____ tons
1	Crushing/Processing Equipment	85	0.78			#DIV/0!	-	
Site Preparation		Start Date:	11/1/2024	Total phase:				Any pavement demolished and hauled? <u>1,800</u> tons
	End Date:		12/21/2024					
1	Graders	187	0.41	8	50	8.00	400	
0	Rubber Tired Dozers	247	0.4					
2	Tractors/Loaders/Backhoes	97	0.37	8	50	8.00	800	
Grading / Excavation		Start Date:	11/1/2024	Total phase:				Soil Hauling Volume - Building 3
	End Date:		3/1/2025					Export volume = <u>55,000</u> cubic yards?
4	Excavators	158	0.38	8	88	8.00	2,816	Import volume = <u>0</u> cubic yards?
2	Graders	187	0.41	8	88	8.00	1,408	
	Rubber Tired Dozers	247	0.4					
	Concrete/Industrial Saws	81	0.73					
6	Tractors/Loaders/Backhoes	97	0.37	8	88	8.00	4,224	
	Other Equipment?							
Trenching/Foundation		Start Date:	3/3/2025	Total phase:				Foundation & Podium
	End Date:		6/21/2025					Concrete Trucks? <u>1,400</u> Total Round-Trips (9-cyd mixing drum)
2	Tractor/Loader/Backhoe	97	0.37	8	85	8.00	1,360	
2	Excavators	158	0.38	8	85	8.00	1,360	
2	Concrete Pumps	84	0.74	10	25	2.94	500	
Building - Exterior		Start Date:	7/1/2025	Total phase:				
	End Date:		1/7/2026					Electric? (Y/N) Yes Otherwise assumed diesel
	Cranes	231	0.29					Liquid Propane (LPG)? (Y/N) No Otherwise Assumed diesel
2	Forklifts	89	0.2	8	150	8.00	2,400	Or temporary line power? (Y/N) Yes
1	Generator Sets	84	0.74	8	150	8.00	1,200	
	Tractors/Loaders/Backhoes	97	0.37					
2	Welders	46	0.45	8	150	8.00	2,400	
1	Concrete Pumps	84	0.74	8	20	1.07	160	
Building - Interior/Architectural Coating		Start Date:	1/15/2026	Total phase:				
	End Date:		3/21/2026					
2	Air Compressors	78	0.48	8	46	8.00	736	
2	Aerial Lift	62	0.31	8	46	8.00	736	
	Other Equipment?							
Paving / Landscaping		Start Date:	4/1/2026	Total phase:				
	End Date:		7/20/2026					Asphalt? <u>200</u> cubic yards or _____ round trips?
1	Cement and Mortar Mixers	9	0.56	8	20	2.05	160	Concrete? <u>250</u> cubic yards
1	Pavers	130	0.42	8	10	1.03	80	
1	Paving Equipment	132	0.36	8	10	1.03	80	
2	Rollers	80	0.39	8	10	1.03	160	
2	Tractors/Loaders/Backhoes	97	0.37	8	60	6.15	960	
	Other Equipment?							
Additional Phases		Start Date:		Total phase:				
	Start Date:							

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs
It is assumed that water trucks would be used during grading
Add or subtract phases and equipment, as appropriate
Modify horsepower or load factor, as appropriate

Complete one sheet for each project component

Air Quality/Noise Construction Information Data Request

Project Name: El Paseo: Building 4A/4B

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size	0 Dwelling Units	1.72 Acres	total project acres disturbed
	0 s.f. residential		
	0 s.f. retail		
	0 s.f. office/commercial		
	231,000 s.f. other [Senior Assisted Living (Occupancy R2.1)]		
	64,226 s.f. parking garage	116 spaces	
	810 s.f. parking lot	5 spaces	
Construction Hours	8 am to		6 pm

Pile Driving? Y/N? No

Project include OPERATIONAL GENERATOR OR FIRE PUMP on-site? Y/N? yes

IF YES (if BOTH separate values) -->

Kilowatts/Horsepower: 60hz

diesel _____

Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	Annual Hours	Comments
Demolition		Start Date:	8/1/2026	Total phase:	42			
		End Date:	9/30/2026					
1	Concrete/Industrial Saws	81	0.73	8	42	8.00	336	Overall Import/Export Volumes See Building Demo Sheet for Demolition Demolition Volume Square footage of buildings to be demolished (or total tons to be hauled) 34,000 square feet or 7 Hauling volume (tons) Any pavement demolished and hauled? 550 tons
2	Excavators	158	0.38	8	42	8.00	672	
0	Rubber-Tired Dozers	247	0.4			-	-	
3	Tractors/Loaders/Backhoes	97	0.37	8	42	8.00	1,008	
	Crushing/Processing Equipment	85	0.78			-	-	
Site Preparation		Start Date:	10/5/2026	Total phase:	22			
		End Date:	11/5/2026					
1	Graders	187	0.41	8	22	8.00	176	Any pavement demolished and hauled? 60 tons
0	Rubber-Tired Dozers	247	0.4			-	-	
3	Tractors/Loaders/Backhoes	97	0.37	8	22	8.00	528	
Grading / Excavation		Start Date:	11/15/2026	Total phase:	90			
		End Date:	3/23/2027					
4	Excavators	158	0.38	10	90	10.00	3,600	Soil Hauling Volume - Building 4 Export volume = 28,000 cubic yards? Import volume = 0 cubic yards?
2	Graders	187	0.41	8	90	8.00	1,440	
	Rubber Tired Dozers	247	0.4	0	0	-	-	
	Concrete/Industrial Saws	81	0.73	0	0	-	-	
6	Tractors/Loaders/Backhoes	97	0.37	8	90	8.00	4,320	
	Other Equipment?							
Trenching/Foundation		Start Date:	4/1/2027	Total phase:	85			
		End Date:	7/31/2027					
2	Tractor/Loader/Backhoe	97	0.37	8	85	8.00	1,360	Foundation & Podium Concrete Trucks? 850 Total Round-Trips (9-cyd mixing drum)
2	Excavators	158	0.38	8	85	8.00	1,360	
2	Concrete Pumps	84	0.74	10	30	3.53	600	
Building - Exterior		Start Date:	8/11/2027	Total phase:	250			
		End Date:	8/2/2028					
1	Cranes	231	0.29	10	25	1.00	250	Electric? (Y/N) Yes Otherwise assumed diesel Liquid Propane (LPG)? (Y/N) No Otherwise Assumed diesel Or temporary line power? (Y/N) Yes
2	Forklifts	89	0.2	8	145	4.64	2,320	
1	Generator Sets	84	0.74	8	145	4.64	1,160	
	Tractors/Loaders/Backhoes	97	0.37			-	-	
1	Welders	46	0.45	8	145	4.64	1,160	
1	Concrete Pumps	84	0.74	8	20	0.64	160	
Building - Interior/Architectural Coating		Start Date:	8/2/2028	Total phase:	230			
		End Date:	6/26/2029					
2	Air Compressors	78	0.48	8	200	6.96	3,200	Asphalt? 300 cubic yards or ____ round trips? Concrete? 270 cubic yards
2	Aerial Lift	62	0.31	8	200	6.96	3,200	
	Other Equipment?							
Paving / Landscaping		Start Date:	6/1/2029	Total phase:	40			
		End Date:	7/28/2029					
1	Cement and Mortar Mixers	9	0.56	8	15	3.00	120	Asphalt? 300 cubic yards or ____ round trips? Concrete? 270 cubic yards
1	Pavers	130	0.42	8	10	2.00	80	
1	Paving Equipment	132	0.36	8	10	2.00	80	
2	Rollers	80	0.39	8	10	2.00	160	
2	Tractors/Loaders/Backhoes	97	0.37	8	40	8.00	640	
	Other Equipment?							
Additional Phases		Start Date:		Total phase:				
		Start Date:						

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs
 It is assumed that water trucks would be used during grading
 Add or subtract phases and equipment, as appropriate
 Modify horsepower or load factor, as appropriate

Complete one sheet for each project component

Land Use	Size	Daily		AM Peak Hour			PM Peak Hour				
		Trip Rate	Trips	Trip Rate	Trips In	Trips Out	Trips Total	Trip Rate	Trips In	Trips Out	Trips Total
Proposed Land Uses											
Residential¹	775 du	5.44	4,216	0.36	73	206	279	0.44	208	133	341
Residential/Retail Internal Capture (15%) ⁵			-544		-5	-8	-13		-31	-20	-51
Residential/Assisted Living Internal Capture (3%) ⁵			-22		-1	-1	-2		-1	-1	-2
Location-Based Non-Vehicle Mode Share (6%) ⁶			-219		-4	-12	-16		-11	-6	-17
Project-Specific Trip Reduction (18%) ⁷			-618		-11	-34	-45		-30	-19	-49
Sub-Total Residential (El Paseo Site)			2,813		52	151	203		135	87	222
El Paseo Shopping Mall with Project²	335,550 s.f.	40.81	13,694	0.95	198	122	320	3.97	639	692	1,331
Commercial/Retail on Project Site²	88,790 s.f.	40.81	3,624	0.95	52	32	84	3.97	169	183	352
Retail/Residential Internal Capture (15%) ⁵			-544		-8	-5	-13		-20	-31	-51
Retail/Assisted Living Internal Capture (3%) ⁵			-22		-1	-1	-2		-1	-1	-2
Location-Based Non-Vehicle Mode Share (9%) ⁶			-275		-4	-2	-6		-13	-14	-27
Pass-By Reduction (17% Daily/0% AM/34% PM) ⁸			-473		0	0	0		-46	-46	-92
Sub-Total Commercial/Retail (El Paseo Site)			2,310		39	24	63		89	91	180
Assisted Living³	279 beds	2.60	725	0.19	33	20	53	0.26	28	45	73
Assisted Living/Retail Internal Capture (3%) ⁵			-22		-1	-1	-2		-1	-1	-2
Assisted Living/Residential Internal Capture (3%) ⁵			-22		-1	-1	-2		-1	-1	-2
Location-Based Non-Vehicle Mode Share (5%) ⁶			-34		-2	0	-2		-1	-2	-3
Project-Specific Trip Reduction (10%) ⁷			-65		-3	-2	-5		-3	-4	-7
Sub-Total Office (1777 Saratoga Site)			582		26	16	42		22	37	59
Total Gross Project Trips			5,705		117	191	308		246	215	461
1777 Saratoga Site Gross Trips			582		26	16	42		22	37	59
El Paseo Site Gross Trips			5,123		91	175	266		224	178	402
Existing Trip Credit											
1777 Saratoga Site Office⁴	25,184 s.f.	9.74	245	1.16	25	4	29	1.15	5	24	29
Office/Retail Internal Capture (3%) ⁵			-7		-1	0	-1		0	-1	-1
Location-Based Non-Vehicle Mode Share (5%) ⁶			-12		-1	0	-1		0	-1	-1
Sub-Total 1777 Saratoga Site			226		23	4	27		5	22	27
El Paseo Shopping Mall²	343,200 s.f.	40.52	13,906	0.94	200	123	323	3.94	649	704	1,353
El Paseo Site Commercial/Retail²	72,940 s.f. ⁹	40.52	2,956	0.94	43	26	69	3.94	138	149	287
Retail/Office Internal Capture (3%) ⁵			-7		0	-1	-1		-1	0	-1
Location-Based Non-Vehicle Mode Share (9%) ⁶			-265		-4	-2	-6		-12	-14	-26
Pass-By Reduction (17% Daily/0% AM/34% PM) ⁸			-456		0	0	0		-43	-45	-88
Sub-Total El Paseo Site			2,228		39	23	62		82	90	172
Net Project Trips			3,251		55	164	219		159	103	262
1777 Saratoga Site Net Trips			356		3	12	15		17	15	32
El Paseo Site Net Trips			2,895		52	152	204		142	88	230

Res	CalEEMod Defaults Rate:	6.65	6.39	5.86
	Rev Trip Rate	3.63	3.49	3.20
Strip Mall	CalEEMod Defaults Rate:	44.32	42.04	20.43
	Rev Trip Rate	26.02	24.68	11.99
Assisted Living	CalEEMod Defaults Rate:	2.74	2.2	2.44
	Rev Trip Rate	2.09	1.67	1.86
Office	CalEEMod Defaults Rate:	44.32	42.04	20.43
	Rev Trip Rate	8.97	8.51	4.14
Strip Mall	CalEEMod Defaults Rate:	44.32	42.04	20.43
	Rev Trip Rate	30.55	28.97	14.08

Notes:

All trip rates are from ITE Trip Generation Manual, 10th Edition, 2017.

- Mid-Rise Multifamily Housing (ITE Land Use 221): average trip rates in trips per dwelling unit (du) were used.
- Shopping Center (Land Use 820): fitted curve equation was used to calculate the trips for the entire shopping mall and to derive the average trip rates in trips per 1,000 s.f. The average trip rates were then used to calculate the commercial/retail trips of the project site.
- Assisted Living (ITE Land Use 254): average trip rates in trips per bed were used.
- General Office (ITE Land Use 710): average trip rates in trips per 1,000 s.f. were used.
- Residential/retail, office/retail, and residential/office internal trip reductions were applied to the project per the 2014 Santa Clara VTA TIA Guidelines.
- A reduction was applied to the project based on the location-based vehicle mode share percentage outputs (Table 6 of TA Handbook, 2020) produced from the San Jose Travel Demand Model for the Sub-Urban with Single Family Home area.
- A reduction was applied because the proposed residential and office uses will be required to reduce VMT through implementing TDM measures. The reduction percentage is obtained from the City's VMT Evaluation Tool.
- An average 34% pass-by trip reduction was applied to the retail PM inbound and outbound peak-hour trips based the ITE Trip Generation Handbook, 3rd Edition, for Shopping Center.
- There is a total of 96,440 s.f. of existing commercial square footage on site. However, only 72,856 s.f. have operated within 2 years of the 2022 EIR was initiated and credited.

Unmitigated Total Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e	
Year	Tons					MT
Construction Equipment - CalEEMod						
2024	0.09	0.84	0.04	0.03	176	
2025	0.37	3.34	0.13	0.12	789	
2026	1.26	3.16	0.13	0.12	682	
2027	8.35	4.02	0.17	0.16	886	
2028	4.02	1.41	0.06	0.06	311	
2029	0.92	0.31	0.01	0.01	72	
EMFAC						
2024	0.00	0.13	0.01	0.00	62	
2025	0.09	0.93	0.09	0.04	622	
2026	0.11	0.99	0.11	0.05	722	
2027	0.11	0.86	0.11	0.05	680	
2028	0.09	0.69	0.09	0.04	541	
2029	0.01	0.08	0.01	0.00	65	
Total Construction Emissions by Year						
2024	0.09	0.97	0.04	0.04	238	
2025	0.46	4.27	0.22	0.16	1,411	
2026	1.37	4.15	0.24	0.17	1,404	
2027	8.47	4.88	0.28	0.21	1,567	
2028	4.11	2.10	0.15	0.10	852	
2029	0.93	0.40	0.02	0.02	137	
Total Construction Emissions						
Tons	15.43	16.76	0.95	0.69	5,608	
Average Daily Emissions						
Pounds/Workdays	Average Daily Emissions				Workdays	
2024	2.13	22.30	0.98	0.84		87
2025	3.51	32.70	1.69	1.24		261
2026	10.50	31.83	1.83	1.30		261
2027	64.90	37.39	2.12	1.59		261
2028	31.59	16.12	1.13	0.73		260
2029	12.46	5.28	0.31	0.22		150
Threshold - lbs/day	54.0	54.0	82.0	54.0		

Operational Criteria Air Pollutants					
Unmitigated	ROG	NOX	Total PM10	Total PM2.5	
Year	Tons in 2030				
CalEEMod Emissions	0.00	0.00	0.00	0.00	
Existing Use Emissions					
Total	0.195	0.1689	0.1562	0.0445	
Net Annual Operational Emissions					
Tons/year	-0.20	-0.17	-0.16	-0.04	
Threshold - Tons/year	10.0	10.0	15.0	10.0	
Average Daily Emissions					
Pounds Per Day	-1.07	-0.93	-0.86	-0.24	
Threshold - lbs/day	54.0	54.0	82.0	54.0	

Unmitigated El Paseo Demo & Building 3 Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e	
Year	Tons					MT
Construction Equipment - CalEEMod						
2024	0.09	0.84	0.04	0.03	176	
2025	0.14	1.20	0.05	0.05	268	
2026	0.35	0.23	0.01	0.01	50	
2027	0	0	0	0	0	
2028	0	0	0	0	0	
2029	0	0	0	0	0	
EMFAC						
2024	0.005	0.13	0.01	0.003	62	
2025	0.01	0.38	0.02	0.01	181	
2026	0.01	0.21	0.01	0.005	97	
2027	0	0	0	0	0	
2028	0	0	0	0	0	
2029	0	0	0	0	0	
Total Construction Emissions by Year						
2024	0.09	0.97	0.04	0.04	238	
2025	0.15	1.58	0.07	0.06	449	
2026	0.36	0.43	0.02	0.01	147	
2027	0	0	0	0	0	
2028	0	0	0	0	0	
2029	0	0	0	0	0	
Total Construction Emissions						
Tons	0.60	2.98	0.13	0.11	833	
Average Daily Emissions						
Pounds/Workdays	Average Daily Emissions				Workdays	
2024	2.13	22.30	0.98	0.84		87
2025	1.19	12.10	0.52	0.42		261
2026	5.00	6.08	0.28	0.19		143
2027	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0
2028	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0
2029	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0
Threshold - lbs/day	54.0	54.0	82.0	54.0		

Number of Days Per Year				
2024	9/1/24	12/31/24	122	87
2025	1/1/25	12/31/25	365	261
2026	1/1/26	7/20/26	201	143
			688	491 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	9/1/2024	10/26/2024	5	40
Site Preparation	11/1/2024	12/21/2024	5	36
Grading	11/1/2024	3/1/2025	5	86
Trenching	3/3/2025	6/21/2025	5	80
Concrete	6/10/2025	6/30/2025	5	15
Building Construction	7/1/2025	1/7/2026	5	137
Architectural Coating	1/15/2026	3/21/2026	5	47
Paving	4/1/2026	7/20/2026	5	79

Unmitigated El Paseo Bldg 1 & 2 Construction Criteria Air Pollutants					
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e
Year	Tons				MT
Construction Equipment - CalEEMod					
2024	0	0	0	0	0
2025	0.22	2.14	0.08	0.08	520
2026	0.84	2.30	0.09	0.09	479
2027	8.23	2.91	0.12	0.12	616
2028	3.21	0.93	0.04	0.04	212
2029	0	0	0	0	0
EMFAC					
2024	0	0	0	0	0
2025	0.08	0.55	0.07	0.03	441
2026	0.10	0.72	0.09	0.04	573
2027	0.09	0.71	0.09	0.04	561
2028	0.07	0.54	0.07	0.03	424
2029	0	0	0	0	0
Total Construction Emissions by Year					
2024	0	0	0	0	0
2025	0.30	2.69	0.15	0.11	962
2026	0.94	3.02	0.18	0.13	1,053
2027	8.32	3.61	0.21	0.16	1,178
2028	3.28	1.47	0.11	0.07	635
2029	0	0	0	0	0
Total Construction Emissions					
Tons	12.84	10.80	0.66	0.46	3,827
Average Daily Emissions					
Pounds/Workdays	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	Workdays
2024					0
2025	3.08	27.29	1.55	1.08	197
2026	7.17	23.15	1.41	0.98	261
2027	63.78	27.70	1.61	1.19	261
2028	32.75	14.74	1.09	0.68	200
2029					0
Threshold - lbs/day					
	54.0	54.0	82.0	54.0	

Number of Days Per Year				
2025	4/1/25	12/31/25	275	197
2026	1/1/26	12/31/26	365	261
2027	1/1/27	12/31/27	365	261
2028	1/1/28	10/7/2028	281	200
			1286	919 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation Bldg 1	4/1/2025	5/31/2025	5	44
Site Preparation Bldg 2	6/3/2025	8/4/2025	5	45
Grading Bldgs 1 & 2	6/5/2025	1/16/2026	5	162
Trenching Bldgs 1 & 2	1/20/2026	5/25/2026	5	90
Building Construction Bldg 1	6/1/2026	3/28/2027	5	215
Building Construction Bldg 2	8/1/2026	6/11/2027	5	225
Architectural Coating Bldg 1	12/1/2026	10/18/2027	5	230
Architectural Coating Bldg 2	7/1/2027	8/1/2028	5	284
Paving Bldg 1	9/1/2027	12/24/2027	5	83
Paving Bldg 2	6/1/2028	10/7/2028	5	92

Unmitigated Saratoga Bldg 4A & 4B Construction Criteria Air Pollutants					
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e
Year	Tons				MT
Construction Equipment - CalEEMod					
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0.07	0.63	0.03	0.02	153
2027	0.13	1.12	0.05	0.04	270
2028	0.81	0.47	0.02	0.02	99
2029	0.92	0.31	0.01	0.01	72
EMFAC					
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0.01	0.06	0.01	0.003	51
2027	0.02	0.15	0.02	0.01	119
2028	0.02	0.15	0.02	0.01	117
2029	0.01	0.08	0.01	0.005	65
Total Construction Emissions by Year					
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0.08	0.70	0.03	0.03	204
2027	0.15	1.26	0.07	0.05	389
2028	0.83	0.62	0.04	0.03	216
2029	0.93	0.40	0.02	0.02	137
Total Construction Emissions					
Tons	1.99	2.98	0.16	0.12	947
Average Daily Emissions					
Pounds/Workdays	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	Workdays
2024					0
2025					0
2026	1.43	12.80	0.62	0.50	109
2027	1.11	9.69	0.50	0.39	261
2028	6.39	4.78	0.29	0.21	260
2029	12.46	5.28	0.31	0.22	150
Threshold - lbs/day					
	54.0	54.0	82.0	54.0	

Number of Days Per Year				
2026	8/1/26	12/31/26	153	109
2027	1/1/27	12/31/27	365	261
2028	1/1/28	12/31/28	366	260
2029	1/1/29	7/28/2029	209	150
			1093	780 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	8/1/2026	9/30/2026	5	43
Site Preparation	10/5/2026	11/5/2026	5	24
Grading	11/15/2026	3/23/2027	5	92
Trenching	4/1/2027	7/31/2027	5	87
Building Construction	8/11/2027	8/2/2028	5	256
Architectural Coating	8/2/2028	6/26/2029	5	235
Paving	6/1/2029	7/28/2029	5	41

Mitigated Total Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e	
Year	Tons					MT
Construction Equipment - CalEEMod						
2024	0.02	0.10	0.00	0.00	166	
2025	0.10	0.43	0.01	0.01	727	
2026	0.22	0.26	0.01	0.01	454	
2027	1.46	0.20	0.01	0.01	349	
2028	0.70	0.03	0.00	0.00	49	
2029	0.16	0.01	0.00	0.00	18	
EMFAC						
2024	0.00	0.10	0.01	0.00	62	
2025	0.06	0.74	0.09	0.04	622	
2026	0.08	0.79	0.11	0.05	722	
2027	0.08	0.69	0.11	0.05	680	
2028	0.06	0.55	0.09	0.04	541	
2029	0.01	0.07	0.01	0.00	65	
Total Construction Emissions by Year						
2024	0.03	0.20	0.01	0.01	228	
2025	0.16	1.18	0.10	0.05	1,348	
2026	0.30	1.05	0.12	0.06	1,176	
2027	1.54	0.89	0.12	0.05	1,029	
2028	0.76	0.58	0.09	0.04	589	
2029	0.17	0.08	0.01	0.01	83	
Total Construction Emissions						
Tons	2.96	3.97	0.45	0.21	4,454	
Average Daily Emissions						
Pounds/Workdays	Average Daily Emissions				Workdays	
2024	0.60	4.63	0.22	0.14		87
2025	1.26	9.01	0.78	0.40		261
2026	2.31	8.05	0.90	0.42		261
2027	11.79	6.82	0.89	0.41		261
2028	5.83	4.45	0.69	0.30		260
2029	2.26	1.02	0.15	0.07		150
Threshold - lbs/day	54.0	54.0	82.0	54.0		
Operational Criteria Air Pollutants						
Unmitigated	ROG	NOX	Total PM10	Total PM2.5		
Year	Tons in 2030					
CalEEMod Emissions	0.00	0.00	0.00	0.00		
Existing Use Emissions						
Total	0.195	0.1689	0.1562	0.0445		
Net Annual Operational Emissions						
Tons/year	-0.20	-0.17	-0.16	-0.04		
Threshold - Tons/year	10.0	10.0	15.0	10.0		
Average Daily Emissions						
Pounds Per Day	-1.07	-0.93	-0.86	-0.24		
Threshold - lbs/day	54.0	54.0	82.0	54.0		

Mitigated El Paseo Demo & Building 3 Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e	
Year	Tons					MT
Construction Equipment - CalEEMod						
2024	0.02	0.10	0.003	0.003	166	
2025	0.03	0.12	0.004	0.004	206	
2026	0.06	0.01	0.0004	0.0004	24	
2027	0	0	0	0	0	
2028	0	0	0	0	0	
2029	0	0	0	0	0	
EMFAC						
2024	0.003	0.10	0.01	0.003	62	
2025	0.009	0.30	0.02	0.009	181	
2026	0.005	0.17	0.01	0.005	97	
2027	0	0	0	0	0	
2028	0	0	0	0	0	
2029	0	0	0	0	0	
Total Construction Emissions by Year						
2024	0.03	0.20	0.01	0.01	228	
2025	0.04	0.42	0.02	0.01	387	
2026	0.07	0.18	0.01	0.01	122	
2028	0	0	0	0	0	
2029	0	0	0	0	0	
Total Construction Emissions						
Tons	0.13	0.81	0.04	0.02	736	
Average Daily Emissions						
Pounds/Workdays	Average Daily Emissions				Workdays	
2024	0.60	4.63	0.22	0.14		87
2025	0.28	3.25	0.18	0.10		261
2026	0.93	2.52	0.16	0.08		143
2028	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0
2029	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		0
Threshold - lbs/day	54.0	54.0	82.0	54.0		

Number of Days Per Year				
2024	9/1/24	12/31/24	122	87
2025	1/1/25	12/31/25	365	261
2026	1/1/26	7/20/26	201	143
			688	491 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	9/1/2024	10/26/2024	5	40
Site Preparation	11/1/2024	12/21/2024	5	36
Grading	11/1/2024	3/1/2025	5	86
Trenching	3/3/2025	6/21/2025	5	80
Concrete	6/10/2025	6/30/2025	5	15
Building Construction	7/1/2025	1/7/2026	5	137
Architectural Coating	1/15/2026	3/21/2026	5	47
Paving	4/1/2026	7/20/2026	5	79

Mitigated El Paseo Bldg 1 & 2 Construction Criteria Air Pollutants					
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e
Year	Tons				MT
Construction Equipment - CalEEMod					
2024	0	0	0	0	0
2025	0.07	0.31	0.01	0.01	520
2026	0.14	0.16	0.00	0.005	288
2027	1.43	0.06	0.002	0.002	105
2028	0.56	0.02	0.001	0.001	34
2029	0	0	0	0	0
EMFAC					
2024	0	0	0	0	0
2025	0.06	0.44	0.07	0.03	441
2026	0.07	0.58	0.09	0.04	573
2027	0.07	0.57	0.09	0.04	561
2028	0.05	0.43	0.07	0.03	424
2029	0	0	0	0	0
Total Construction Emissions by Year					
2024	0	0	0	0	0
2025	0.13	0.75	0.08	0.04	962
2026	0.21	0.74	0.10	0.04	862
2027	1.49	0.63	0.09	0.04	666
2028	0.61	0.45	0.07	0.03	457
2029	0	0	0	0	0
Total Construction Emissions					
Tons	2.43	2.56	0.34	0.15	2,947
Average Daily Emissions					
Pounds/Workdays	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	Workdays
2024					0
2025	1.29	7.63	0.79	0.40	197
2026	1.61	5.64	0.73	0.34	261
2027	11.43	4.80	0.71	0.31	261
2028	6.06	4.51	0.70	0.30	200
2029	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0
Threshold - lbs/day					
	54.0	54.0	82.0	54.0	

Number of Days Per Year				
2025	4/1/25	12/31/25	275	197
2026	1/1/26	12/31/26	365	261
2027	1/1/27	12/31/27	365	261
2028	1/1/28	10/7/2028	281	200
			1286	919 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation Bldg 1	4/1/2025	5/31/2025	5	44
Site Preparation Bldg 2	6/3/2025	8/4/2025	5	45
Grading Bldgs 1 & 2	6/5/2025	1/16/2026	5	162
Trenching Bldgs 1 & 2	1/20/2026	5/25/2026	5	90
Building Construction Bldg 1	6/1/2026	3/28/2027	5	215
Building Construction Bldg 2	8/1/2026	6/11/2027	5	225
Architectural Coating Bldg 1	12/1/2026	10/18/2027	5	230
Architectural Coating Bldg 2	7/1/2027	8/1/2028	5	284
Paving Bldg 1	9/1/2027	12/24/2027	5	83
Paving Bldg 2	6/1/2028	10/7/2028	5	92

Mitigated Saratoga Bldg 4A & 4B Construction Criteria Air Pollutants					
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	CO2e
Year	Tons				MT
Construction Equipment - CalEEMod					
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0.02	0.08	0.003	0.003	141
2027	0.03	0.14	0.004	0.004	244
2028	0.14	0.01	0.0003	0.0003	15
2029	0.16	0.01	0.0003	0.0003	18
EMFAC					
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0.01	0.05	0.01	0.003	51
2027	0.01	0.12	0.02	0.01	119
2028	0.01	0.12	0.02	0.01	117
2029	0.01	0.07	0.01	0.005	65
Total Construction Emissions by Year					
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0.03	0.14	0.01	0.01	192
2027	0.05	0.26	0.02	0.01	363
2028	0.15	0.13	0.02	0.01	132
2029	0.17	0.08	0.01	0.01	83
Total Construction Emissions					
Tons	0.39	0.60	0.07	0.03	771
Average Daily Emissions					
Pounds/Workdays	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	Workdays
2024					0
2025	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0
2026	0.47	2.48	0.20	0.11	109
2027	0.36	2.02	0.18	0.10	261
2028	1.16	0.98	0.15	0.07	260
2029	2.26	1.02	0.15	0.07	150
Threshold - lbs/day					
	54.0	54.0	82.0	54.0	

Number of Days Per Year				
2026	8/1/26	12/31/26	153	109
2027	1/1/27	12/31/27	365	261
2028	1/1/28	12/31/28	366	260
2029	1/1/29	7/28/2029	209	150
			1093	780 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	8/1/2026	9/30/2026	5	43
Site Preparation	10/5/2026	11/5/2026	5	24
Grading	11/15/2026	3/23/2027	5	92
Trenching	4/1/2027	7/31/2027	5	87
Building Construction	8/11/2027	8/2/2028	5	256
Architectural Coating	8/2/2028	6/26/2029	5	235
Paving	6/1/2029	7/28/2029	5	41

Unmitigated Total Operational Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons in 2030			
CalEEMod Emissions	6.86	3.00	4.17	1.20
Existing Use Emissions				
Total	1.41	1.45	1.34	0.37
Net Annual Operational Emissions				
Tons/year	5.45	1.55	2.83	0.83
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	29.87	8.47	15.53	4.57
Threshold - lbs/day	54.0	54.0	82.0	54.0
Category	CO2e			
	Project	Existing	Project	Existing
Area	13	0		
Energy	1,301	41		
Mobile	3,122	253		
Waste	354	19		
Water	100	4		
TOTAL	4,891	317	0	0
Net GHG Emissions		4,574		0.0
Service Population	0			
Per Capita Emissions		#DIV/0!		#DIV/0!
CA DOF 2020 =		units pph		

Unmitigated El Paseo Site Operational Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons in 2030			
CalEEMod Emissions	5.548	2.5348	3.661	1.0435
Existing Use Emissions				
Total	1.2177	1.283	1.1865	0.3303
Net Annual Operational Emissions				
Tons/year	4.33	1.25	2.47	0.71
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	23.73	6.86	13.56	3.91
Threshold - lbs/day	54.0	54.0	82.0	54.0
Category	CO2e			
	Project	Existing	Project	Existing
Area	10	0		
Energy	1,027	12		
Mobile	2,755	151		
Waste	226	6		
Water	76	1		
TOTAL	4,094	170	0	0
Net GHG Emissions		3,924		0.0
Service Population	0			
Per Capita Emissions		#DIV/0!		#DIV/0!
CA DOF 2020 =		units pph		

Unmitigated Saratoga Site Operational Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons in 2030			
CalEEMod Emissions	1.3167	0.4622	0.5058	0.1552
Existing Use Emissions				
Total	0.195	0.1689	0.1562	0.0445
Net Annual Operational Emissions				
Tons/year	1.12	0.29	0.35	0.11
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	6.15	1.61	1.92	0.61
Threshold - lbs/day	54.0	54.0	82.0	54.0
Category	CO2e			
	Project	Existing	Project	Existing
Area	3	0		
Energy	274	29		
Mobile	367	102		
Waste	128	13		
Water	24	2		
TOTAL	796	147	0	0
Net GHG Emissions		650		0.0
Service Population	0			
Per Capita Emissions		#DIV/0!		#DIV/0!
CA DOF 2020 =		units pph		

El Paseo, San Jose - Demo & Bldg 3 Construction Unmitigated - Santa Clara County, Annual

El Paseo, San Jose - Demo & Bldg 3 Construction Unmitigated
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	237.00	Space	0.00	79,200.00	0
Parking Lot	42.00	Space	0.00	16,800.00	0
Strip Mall	58.37	1000sqft	3.35	58,370.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2018 Rate

Land Use - Provided land uses based on construction worksheet for Demo & Bldg 3 phases

Construction Phase - Provided construction schedule for Demo & Bldg 3 phases

Off-road Equipment - Provided construction equip & hoursfor Demo & Bldg 3 phases

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Trips and VMT - 0 Trips EMFAC2017, pavement demo = 1,800 tons, Trenching = 1,400 cement truck round trips, paving = 200-cy asphalt and 250-cy concrete

Demolition - existing building demo = 120,000-sf

Grading - grading = 55,000-cy export

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	47.00
tblConstructionPhase	NumDays	230.00	15.00
tblConstructionPhase	NumDays	230.00	137.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	8.00	86.00
tblConstructionPhase	NumDays	18.00	79.00
tblConstructionPhase	NumDays	5.00	36.00
tblConstructionPhase	PhaseEndDate	9/10/2026	3/21/2026
tblConstructionPhase	PhaseEndDate	9/3/2025	6/30/2025
tblConstructionPhase	PhaseEndDate	7/22/2026	1/7/2026
tblConstructionPhase	PhaseEndDate	9/27/2024	10/26/2024
tblConstructionPhase	PhaseEndDate	10/16/2024	3/1/2025
tblConstructionPhase	PhaseEndDate	8/17/2026	7/20/2026
tblConstructionPhase	PhaseEndDate	10/4/2024	12/21/2024
tblConstructionPhase	PhaseStartDate	8/18/2026	1/15/2026
tblConstructionPhase	PhaseStartDate	10/17/2024	6/10/2025
tblConstructionPhase	PhaseStartDate	9/4/2025	7/1/2025
tblConstructionPhase	PhaseStartDate	10/5/2024	11/1/2024
tblConstructionPhase	PhaseStartDate	7/23/2026	4/1/2026
tblConstructionPhase	PhaseStartDate	9/28/2024	11/1/2024

tblGrading	MaterialExported	0.00	55,000.00
tblLandUse	LandUseSquareFeet	94,800.00	79,200.00
tblLandUse	LotAcreage	2.13	0.00
tblLandUse	LotAcreage	0.38	0.00
tblLandUse	LotAcreage	1.34	3.35
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	2.00
tblOffRoadEquipment	UsageHours	8.00	1.80
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	5.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.20
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblTripsAndVMT	HaulingTripNumber	546.00	0.00
tblTripsAndVMT	HaulingTripNumber	6,875.00	0.00
tblTripsAndVMT	VendorTripNumber	25.00	0.00
tblTripsAndVMT	VendorTripNumber	25.00	0.00

tblTripsAndVMT	WorkerTripNumber	33.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	59.00	0.00
tblTripsAndVMT	WorkerTripNumber	59.00	0.00
tblTripsAndVMT	WorkerTripNumber	12.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0881	0.8425	1.1596	1.9900e-003	0.1173	0.0359	0.1532	0.0154	0.0333	0.0486	0.0000	174.6326	174.6326	0.0526	0.0000	175.9486
2025	0.1416	1.1997	1.8776	3.1100e-003	0.0487	0.0487	0.0975	5.3900e-003	0.0462	0.0516	0.0000	266.7965	266.7965	0.0616	0.0000	268.3372
2026	0.3506	0.2274	0.3733	5.7000e-004	0.0000	9.1800e-003	9.1800e-003	0.0000	8.7600e-003	8.7600e-003	0.0000	49.4181	49.4181	0.0109	0.0000	49.6908
Maximum	0.3506	1.1997	1.8776	3.1100e-003	0.1173	0.0487	0.1532	0.0154	0.0462	0.0516	0.0000	266.7965	266.7965	0.0616	0.0000	268.3372

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2024	11-30-2024	0.6059	0.6059
2	12-1-2024	2-28-2025	0.7948	0.7948
3	3-1-2025	5-31-2025	0.2546	0.2546
4	6-1-2025	8-31-2025	0.2720	0.2720

5	9-1-2025	11-30-2025	0.2587	0.2587
6	12-1-2025	2-28-2026	0.4040	0.4040
7	3-1-2026	5-31-2026	0.2072	0.2072
8	6-1-2026	8-31-2026	0.0566	0.0566
		Highest	0.7948	0.7948

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2024	10/26/2024	5	40	
2	Site Preparation	Site Preparation	11/1/2024	12/21/2024	5	36	
3	Grading	Grading	11/1/2024	3/1/2025	5	86	
4	Trenching	Trenching	3/3/2025	6/21/2025	5	80	
5	Concrete	Building Construction	6/10/2025	6/30/2025	5	15	
6	Building Construction	Building Construction	7/1/2025	1/7/2026	5	137	
7	Architectural Coating	Architectural Coating	1/15/2026	3/21/2026	5	47	
8	Paving	Paving	4/1/2026	7/20/2026	5	79	

Acres of Grading (Site Preparation Phase): 18

Acres of Grading (Grading Phase): 86

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,555; Non-Residential Outdoor: 29,185; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	4	1.80	81	0.73
Demolition	Tractors/Loaders/Backhoes	4	6.50	97	0.37
Demolition	Excavators	4	5.10	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40

Demolition	Crushing/Proc. Equipment	1	2.90	85	0.78
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Excavators	2	8.00	158	0.38
Trenching	Pumps	2	2.90	84	0.74
Concrete	Cranes	0	0.00	231	0.29
Concrete	Forklifts	0	0.00	89	0.20
Concrete	Generator Sets	0	0.00	84	0.74
Concrete	Pumps	1	15.00	84	0.74
Concrete	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Concrete	Welders	0	0.00	46	0.45
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	1.07	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Aerial Lifts	2	8.00	63	0.31
Architectural Coating	Air Compressors	2	8.00	78	0.48
Paving	Cement and Mortar Mixers	1	2.00	9	0.56
Paving	Pavers	1	1.00	130	0.42
Paving	Paving Equipment	1	1.00	132	0.36
Paving	Rollers	2	1.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	6.20	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Concrete	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					
Fugitive Dust					0.0591	0.0000	0.0591	8.9400e-003	0.0000	8.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0273	0.2294	0.4089	6.3000e-004		0.0108	0.0108		0.0102	0.0102	0.0000	54.9883	54.9883	0.0140	0.0000	55.3369
Total	0.0273	0.2294	0.4089	6.3000e-004	0.0591	0.0108	0.0698	8.9400e-003	0.0102	0.0191	0.0000	54.9883	54.9883	0.0140	0.0000	55.3369

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0591	0.0000	0.0591	8.9400e-003	0.0000	8.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0273	0.2294	0.4089	6.3000e-004		0.0108	0.0108		0.0102	0.0102	0.0000	54.9882	54.9882	0.0140	0.0000	55.3369
Total	0.0273	0.2294	0.4089	6.3000e-004	0.0591	0.0108	0.0698	8.9400e-003	0.0102	0.0191	0.0000	54.9882	54.9882	0.0140	0.0000	55.3369

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					

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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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					9.5400e-003	0.0000	9.5400e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.1269	0.1103	2.3000e-004		4.8200e-003	4.8200e-003		4.4300e-003	4.4300e-003	0.0000	20.3143	20.3143	6.5700e-003	0.0000	20.4786
Total	0.0116	0.1269	0.1103	2.3000e-004	9.5400e-003	4.8200e-003	0.0144	1.0300e-003	4.4300e-003	5.4600e-003	0.0000	20.3143	20.3143	6.5700e-003	0.0000	20.4786

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading - 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					
Fugitive Dust					0.0487	0.0000	0.0487	5.3900e-003	0.0000	5.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0493	0.4862	0.6404	1.1300e-003		0.0203	0.0203		0.0187	0.0187	0.0000	99.3300	99.3300	0.0321	0.0000	100.1331
Total	0.0493	0.4862	0.6404	1.1300e-003	0.0487	0.0203	0.0690	5.3900e-003	0.0187	0.0241	0.0000	99.3300	99.3300	0.0321	0.0000	100.1331

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0487	0.0000	0.0487	5.3900e-003	0.0000	5.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0493	0.4862	0.6404	1.1300e-003		0.0203	0.0203		0.0187	0.0187	0.0000	99.3299	99.3299	0.0321	0.0000	100.1330
Total	0.0493	0.4862	0.6404	1.1300e-003	0.0487	0.0203	0.0690	5.3900e-003	0.0187	0.0241	0.0000	99.3299	99.3299	0.0321	0.0000	100.1330

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0487	0.0000	0.0487	5.3900e-003	0.0000	5.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0448	0.4259	0.6365	1.1300e-003		0.0169	0.0169		0.0156	0.0156	0.0000	99.3590	99.3590	0.0321	0.0000	100.1624
Total	0.0448	0.4259	0.6365	1.1300e-003	0.0487	0.0169	0.0656	5.3900e-003	0.0156	0.0210	0.0000	99.3590	99.3590	0.0321	0.0000	100.1624

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0487	0.0000	0.0487	5.3900e-003	0.0000	5.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0448	0.4259	0.6365	1.1300e-003		0.0169	0.0169		0.0156	0.0156	0.0000	99.3589	99.3589	0.0321	0.0000	100.1623
Total	0.0448	0.4259	0.6365	1.1300e-003	0.0487	0.0169	0.0656	5.3900e-003	0.0156	0.0210	0.0000	99.3589	99.3589	0.0321	0.0000	100.1623

Mitigated Construction Off-Site

3.6 Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0200e-003	0.0341	0.0523	9.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563
Total	4.0200e-003	0.0341	0.0523	9.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	4.0200e-003	0.0341	0.0523	9.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563
Total	4.0200e-003	0.0341	0.0523	9.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0606	0.4647	0.6420	1.0300e-003		0.0184	0.0184		0.0179	0.0179	0.0000	84.8646	84.8646	9.6700e-003	0.0000	85.1065

Total	0.0606	0.4647	0.6420	1.0300e-003		0.0184	0.0184		0.0179	0.0179	0.0000	84.8646	84.8646	9.6700e-003	0.0000	85.1065
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0606	0.4647	0.6420	1.0300e-003		0.0184	0.0184		0.0179	0.0179	0.0000	84.8645	84.8645	9.6700e-003	0.0000	85.1064
Total	0.0606	0.4647	0.6420	1.0300e-003		0.0184	0.0184		0.0179	0.0179	0.0000	84.8645	84.8645	9.6700e-003	0.0000	85.1064

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0176	0.0243	4.0000e-005	7.0000e-004	7.0000e-004	7.0000e-004	6.8000e-004	6.8000e-004	6.8000e-004	0.0000	3.2146	3.2146	3.7000e-004	0.0000	3.2237
Total	2.3000e-003	0.0176	0.0243	4.0000e-005	7.0000e-004	7.0000e-004	7.0000e-004	6.8000e-004	6.8000e-004	6.8000e-004	0.0000	3.2146	3.2146	3.7000e-004	0.0000	3.2237

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.0961	0.1644	2.6000e-004		3.6400e-003	3.6400e-003		3.6100e-003	3.6100e-003	0.0000	22.8938	22.8938	3.1000e-003	0.0000	22.9714
Total	0.3367	0.0961	0.1644	2.6000e-004		3.6400e-003	3.6400e-003		3.6100e-003	3.6100e-003	0.0000	22.8938	22.8938	3.1000e-003	0.0000	22.9714

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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El Paseo, San Jose - Demo & Bldg 3 Construction Mitigated - Santa Clara County, Annual

El Paseo, San Jose - Demo & Bldg 3 Construction Mitigated
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	237.00	Space	0.00	79,200.00	0
Parking Lot	42.00	Space	0.00	16,800.00	0
Strip Mall	58.37	1000sqft	3.35	58,370.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2018 Rate

Land Use - Provided land uses based on construction worksheet for Demo & Bldg 3 phases

Construction Phase - Provided construction schedule for Demo & Bldg 3 phases

Off-road Equipment - Provided construction equip & hoursfor Demo & Bldg 3 phases

Off-road Equipment - Provided construction equip & hoursfor Demo & Bldg 3 phases

Off-road Equipment - Provided construction equip & hoursfor Demo & Bldg 3 phases

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Off-road Equipment - Provided construction equip & hoursfor Demo & Bldg 3 phases

Trips and VMT - 0 Trips EMFAC2017, pavement demo = 1,800 tons, Trenching = 1,400 cement truck round trips, paving = 200-cy asphalt and 250-cy concrete

Demolition - existing building demo = 120,000-sf

Grading - grading = 55,000-cy export

Construction Off-road Equipment Mitigation - Enhanced BMPs, Tier 4 final engine mitigation, electric cranes, portable equip, and aerial lifts

Architectural Coating - At least 90% of paints have to be super-compliant VOC = effectively 19gm/L interior and 24g/L exterior

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	19.00
tblArchitecturalCoating	EF_Parking	150.00	24.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	19.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	5.00	36.00
tblConstructionPhase	NumDays	8.00	86.00
tblConstructionPhase	NumDays	230.00	15.00
tblConstructionPhase	NumDays	230.00	137.00
tblConstructionPhase	NumDays	18.00	47.00
tblConstructionPhase	NumDays	18.00	79.00
tblGrading	MaterialExported	0.00	55,000.00
tblLandUse	LandUseSquareFeet	94,800.00	79,200.00
tblLandUse	LotAcreage	2.13	0.00

tblLandUse	LotAcreage	0.38	0.00
tblLandUse	LotAcreage	1.34	3.35
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	2.00
tblOffRoadEquipment	UsageHours	8.00	1.80
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	5.10

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.20
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblTripsAndVMT	HaulingTripNumber	546.00	0.00
tblTripsAndVMT	HaulingTripNumber	6,875.00	0.00
tblTripsAndVMT	VendorTripNumber	25.00	0.00
tblTripsAndVMT	VendorTripNumber	25.00	0.00
tblTripsAndVMT	WorkerTripNumber	33.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	59.00	0.00
tblTripsAndVMT	WorkerTripNumber	59.00	0.00
tblTripsAndVMT	WorkerTripNumber	12.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0229	0.0992	1.2883	1.9900e-003	0.0458	3.0500e-003	0.0488	3.0000e-003	3.0500e-003	6.0500e-003	0.0000	164.9546	164.9546	0.0522	0.0000	166.2591
2025	0.0279	0.1209	1.6326	3.1100e-003	0.0190	3.7200e-003	0.0227	1.0500e-003	3.7200e-003	4.7700e-003	0.0000	204.7873	204.7873	0.0579	0.0000	206.2346
2026	0.0613	0.0143	0.2031	5.7000e-004	0.0000	4.4000e-004	4.4000e-004	0.0000	4.4000e-004	4.4000e-004	0.0000	24.1754	24.1754	7.6600e-003	0.0000	24.3670
Maximum	0.0613	0.1209	1.6326	3.1100e-003	0.0458	3.7200e-003	0.0488	3.0000e-003	3.7200e-003	6.0500e-003	0.0000	204.7873	204.7873	0.0579	0.0000	206.2346

	ROG	NOx	CO	SO2	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	64.31	89.68	8.43	0.00	61.00	92.32	72.31	80.49	91.83	89.67	0.00	19.78	19.78	5.96	0.00	19.69

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2024	11-30-2024	0.6059	0.0790
2	12-1-2024	2-28-2025	0.7948	0.1167
3	3-1-2025	5-31-2025	0.2546	0.0442
4	6-1-2025	8-31-2025	0.2722	0.0205
5	9-1-2025	11-30-2025	0.2590	0.0081
6	12-1-2025	2-28-2026	0.2220	0.0430
7	3-1-2026	5-31-2026	0.1223	0.0279
8	6-1-2026	8-31-2026	0.0566	0.0077
		Highest	0.7948	0.1167

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2024	10/26/2024	5	40	

2	Site Preparation	Site Preparation	11/1/2024	12/21/2024	5	36
3	Grading	Grading	11/1/2024	3/1/2025	5	86
4	Trenching	Trenching	3/3/2025	6/21/2025	5	80
5	Concrete	Building Construction	6/10/2025	6/30/2025	5	15
6	Building Construction	Building Construction	7/1/2025	1/7/2026	5	137
7	Architectural Coating	Architectural Coating	1/15/2026	3/21/2026	5	47
8	Paving	Paving	4/1/2026	7/20/2026	5	79

Acres of Grading (Site Preparation Phase): 18

Acres of Grading (Grading Phase): 86

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,555; Non-Residential Outdoor: 29,185; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	4	1.80	81	0.73
Demolition	Crushing/Proc. Equipment	1	2.90	85	0.78
Demolition	Excavators	4	5.10	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	6.50	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Trenching	Excavators	2	8.00	158	0.38
Trenching	Pumps	2	2.90	84	0.74
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Concrete	Cranes	0	0.00	231	0.29
Concrete	Forklifts	0	0.00	89	0.20
Concrete	Generator Sets	0	0.00	84	0.74
Concrete	Pumps	1	15.00	84	0.74
Concrete	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Concrete	Welders	0	0.00	46	0.45
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	1.10	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Aerial Lifts	2	8.00	63	0.31
Architectural Coating	Air Compressors	2	8.00	78	0.48
Paving	Cement and Mortar Mixers	1	2.00	9	0.56
Paving	Pavers	1	1.00	130	0.42
Paving	Paving Equipment	1	1.00	132	0.36
Paving	Rollers	2	1.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	6.20	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Concrete	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.3 Site Preparation - 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					
Fugitive Dust					9.5400e-003	0.0000	9.5400e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.1269	0.1103	2.3000e-004		4.8200e-003	4.8200e-003		4.4300e-003	4.4300e-003	0.0000	20.3144	20.3144	6.5700e-003	0.0000	20.4786
Total	0.0116	0.1269	0.1103	2.3000e-004	9.5400e-003	4.8200e-003	0.0144	1.0300e-003	4.4300e-003	5.4600e-003	0.0000	20.3144	20.3144	6.5700e-003	0.0000	20.4786

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

Off-Road	0.0493	0.4862	0.6404	1.1300e-003		0.0203	0.0203		0.0187	0.0187	0.0000	99.3300	99.3300	0.0321	0.0000	100.1331
Total	0.0493	0.4862	0.6404	1.1300e-003	0.0487	0.0203	0.0690	5.3900e-003	0.0187	0.0241	0.0000	99.3300	99.3300	0.0321	0.0000	100.1331

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0190	0.0000	0.0190	1.0500e-003	0.0000	1.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.0600	0.7670	1.1300e-003		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	99.3299	99.3299	0.0321	0.0000	100.1330
Total	0.0139	0.0600	0.7670	1.1300e-003	0.0190	1.8500e-003	0.0209	1.0500e-003	1.8500e-003	2.9000e-003	0.0000	99.3299	99.3299	0.0321	0.0000	100.1330

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0487	0.0000	0.0487	5.3900e-003	0.0000	5.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0448	0.4259	0.6365	1.1300e-003		0.0169	0.0169		0.0156	0.0156	0.0000	99.3590	99.3590	0.0321	0.0000	100.1624
Total	0.0448	0.4259	0.6365	1.1300e-003	0.0487	0.0169	0.0656	5.3900e-003	0.0156	0.0210	0.0000	99.3590	99.3590	0.0321	0.0000	100.1624

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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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	0.0100	0.0435	0.6184	8.5000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	74.6245	74.6245	0.0195	0.0000	75.1119
Total	0.0100	0.0435	0.6184	8.5000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	74.6245	74.6245	0.0195	0.0000	75.1119

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	4.0200e-003	0.0341	0.0523	9.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563
Total	4.0200e-003	0.0341	0.0523	9.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	9.3000e-004	4.0100e-003	0.0570	9.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563
Total	9.3000e-004	4.0100e-003	0.0570	9.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	7.9482	7.9482	3.2000e-004	0.0000	7.9563

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0607	0.4653	0.6429	1.0300e-003		0.0184	0.0184		0.0179	0.0179	0.0000	85.0045	85.0045	9.6800e-003	0.0000	85.2465
Total	0.0607	0.4653	0.6429	1.0300e-003		0.0184	0.0184		0.0179	0.0179	0.0000	85.0045	85.0045	9.6800e-003	0.0000	85.2465

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	3.0800e-003	0.0134	0.1901	1.0300e-003		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.8557	22.8557	5.9400e-003	0.0000	23.0042
Total	3.0800e-003	0.0134	0.1901	1.0300e-003		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.8557	22.8557	5.9400e-003	0.0000	23.0042

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					

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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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	1.2000e-004	5.1000e-004	7.2000e-003	4.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.8658	0.8658	2.3000e-004	0.0000	0.8714
Total	1.2000e-004	5.1000e-004	7.2000e-003	4.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.8658	0.8658	2.3000e-004	0.0000	0.8714

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0580					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.0962	0.1647	2.7000e-004		3.6500e-003	3.6500e-003		3.6100e-003	3.6100e-003	0.0000	22.9341	22.9341	3.1200e-003	0.0000	23.0120
Total	0.0703	0.0962	0.1647	2.7000e-004		3.6500e-003	3.6500e-003		3.6100e-003	3.6100e-003	0.0000	22.9341	22.9341	3.1200e-003	0.0000	23.0120

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

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

Archit. Coating	0.0580					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	2.7000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0580	0.0000	0.0000	2.7000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1137	0.1847	2.7000e-004		4.8400e-003	4.8400e-003		4.4700e-003	4.4700e-003	0.0000	23.3097	23.3097	7.4400e-003	0.0000	23.4957
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0116	0.1137	0.1847	2.7000e-004		4.8400e-003	4.8400e-003		4.4700e-003	4.4700e-003	0.0000	23.3097	23.3097	7.4400e-003	0.0000	23.4957

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	3.1800e-003	0.0138	0.1959	2.7000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	23.3097	23.3097	7.4400e-003	0.0000	23.4957
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.1800e-003	0.0138	0.1959	2.7000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	23.3097	23.3097	7.4400e-003	0.0000	23.4957

Mitigated Construction Off-Site

El Paseo, San Jose - Bldg 1 & 2 Construction Unmitigated - Santa Clara County, Annual

El Paseo, San Jose - Bldg 1 & 2 Construction Unmitigated

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,007.00	Space	0.00	396,244.00	0
Apartments Mid Rise	775.00	Dwelling Unit	5.82	783,459.00	2217
Strip Mall	30.42	1000sqft	0.00	30,420.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2018 Rate

Land Use - Provided land uses based on construction worksheet for Bldg 1 & 2 phases.

Construction Phase - Provided construction schedule for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

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Off-road Equipment - Provided construction equip & hoursfor Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 1 & 2 phases

Trips and VMT - 0 Trips EMFAC2017, site prep pavement demo = 1,500 tons, Trenching = 2,200 cement truck round trips, bldg ext = 1,530 / 1,660 cement truck round trips, paving = 500-cy concrete

Demolition -

Grading - grading = 96,500-cy export

Architectural Coating -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	NumDays	20.00	284.00
tblConstructionPhase	NumDays	230.00	215.00
tblConstructionPhase	NumDays	230.00	225.00
tblConstructionPhase	NumDays	20.00	162.00
tblConstructionPhase	NumDays	20.00	92.00
tblConstructionPhase	NumDays	20.00	83.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	10.00	45.00
tblGrading	AcresOfGrading	162.00	0.00
tblGrading	MaterialExported	0.00	96,500.00
tblLandUse	LandUseSquareFeet	402,800.00	396,244.00
tblLandUse	LandUseSquareFeet	775,000.00	783,459.00
tblLandUse	LotAcreage	9.06	0.00
tblLandUse	LotAcreage	12.50	5.82
tblLandUse	LotAcreage	0.70	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.80
tblOffRoadEquipment	UsageHours	8.00	3.50
tblOffRoadEquipment	UsageHours	8.00	0.90

tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.90
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	6.90
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblTripsAndVMT	HaulingTripNumber	12,063.00	0.00
tblTripsAndVMT	VendorTripNumber	153.00	0.00
tblTripsAndVMT	VendorTripNumber	153.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	35.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	734.00	0.00
tblTripsAndVMT	WorkerTripNumber	734.00	0.00
tblTripsAndVMT	WorkerTripNumber	147.00	0.00
tblTripsAndVMT	WorkerTripNumber	147.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.2244	2.1387	3.1535	5.8800e-003	0.0291	0.0841	0.1132	3.3700e-003	0.0774	0.0808	0.0000	516.2372	516.2372	0.1670	0.0000	520.4113
2026	0.8363	2.3024	3.1441	5.5400e-003	5.4600e-003	0.0939	0.0994	8.3000e-004	0.0892	0.0901	0.0000	476.6587	476.6587	0.1031	0.0000	479.2364
2027	8.2297	2.9055	4.2684	7.1500e-003	0.0000	0.1201	0.1201	0.0000	0.1171	0.1171	0.0000	614.0894	614.0894	0.0890	0.0000	616.3140
2028	3.2063	0.9345	1.5284	2.4400e-003	0.0000	0.0393	0.0393	0.0000	0.0387	0.0387	0.0000	210.8992	210.8992	0.0263	0.0000	211.5571
Maximum	8.2297	2.9055	4.2684	7.1500e-003	0.0291	0.1201	0.1201	3.3700e-003	0.1171	0.1171	0.0000	614.0894	614.0894	0.1670	0.0000	616.3140

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2025	6-30-2025	0.4793	0.4793
2	7-1-2025	9-30-2025	0.9923	0.9923
3	10-1-2025	12-31-2025	0.8901	0.8901
4	1-1-2026	3-31-2026	0.5094	0.5094
5	4-1-2026	6-30-2026	0.4008	0.4008
6	7-1-2026	9-30-2026	0.6790	0.6790
7	10-1-2026	12-31-2026	1.5106	1.5106
8	1-1-2027	3-31-2027	2.7800	2.7800
9	4-1-2027	6-30-2027	2.3501	2.3501
10	7-1-2027	9-30-2027	3.7851	3.7851
11	10-1-2027	12-31-2027	2.2345	2.2345
12	1-1-2028	3-31-2028	1.6958	1.6958
13	4-1-2028	6-30-2028	1.7366	1.7366
14	7-1-2028	9-30-2028	0.7215	0.7215
		Highest	3.7851	3.7851

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 Bldg 1	Site Preparation	4/1/2025	5/31/2025	5	44	
2	Site Preparation Bldg 2	Site Preparation	6/3/2025	8/4/2025	5	45	
3	Grading Bldgs 1 & 2	Grading	6/5/2025	1/16/2026	5	162	
4	Trenching Bldgs 1 & 2	Trenching	1/20/2026	5/25/2026	5	90	
5	Building Construction Bldg 1	Building Construction	6/1/2026	3/28/2027	5	215	
6	Building Construction Bldg 2	Building Construction	8/1/2026	6/11/2027	5	225	
7	Architectural Coating Bldg 1	Architectural Coating	12/1/2026	10/18/2027	5	230	
8	Architectural Coating Bldg 2	Architectural Coating	7/1/2027	8/1/2028	5	284	
9	Paving Bldg 1	Paving	9/1/2027	12/24/2027	5	83	
10	Paving Bldg 2	Paving	6/1/2028	10/7/2028	5	92	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 1,586,504; Residential Outdoor: 528,835; Non-Residential Indoor: 45,630; Non-Residential Outdoor: 15,210; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation Bldg 1	Graders	1	8.00	187	0.41
Site Preparation Bldg 1	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation Bldg 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation Bldg 2	Graders	1	8.00	187	0.41
Site Preparation Bldg 2	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation Bldg 2	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading Bldgs 1 & 2	Bore/Drill Rigs	2	3.10	221	0.50

Grading Bldgs 1 & 2	Excavators	4	10.00	158	0.38
Grading Bldgs 1 & 2	Graders	2	8.00	187	0.41
Grading Bldgs 1 & 2	Rubber Tired Dozers	0	0.00	247	0.40
Grading Bldgs 1 & 2	Tractors/Loaders/Backhoes	6	10.00	97	0.37
Trenching Bldgs 1 &2	Excavators	2	8.00	158	0.38
Trenching Bldgs 1 &2	Pumps	4	6.10	84	0.74
Trenching Bldgs 1 &2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction Bldg 1	Aerial Lifts	2	10.00	63	0.31
Building Construction Bldg 1	Cranes	1	10.00	231	0.29
Building Construction Bldg 1	Forklifts	3	8.00	89	0.20
Building Construction Bldg 1	Generator Sets	0	0.00	84	0.74
Building Construction Bldg 1	Pumps	2	2.90	84	0.74
Building Construction Bldg 1	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction Bldg 1	Welders	1	6.90	46	0.45
Building Construction Bldg 2	Aerial Lifts	2	9.10	63	0.31
Building Construction Bldg 2	Cranes	1	10.00	231	0.29
Building Construction Bldg 2	Forklifts	3	8.00	89	0.20
Building Construction Bldg 2	Generator Sets	0	0.00	84	0.74
Building Construction Bldg 2	Pumps	2	2.90	84	0.74
Building Construction Bldg 2	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction Bldg 2	Welders	2	8.00	46	0.45
Architectural Coating Bldg 1	Aerial Lifts	2	8.00	63	0.31
Architectural Coating Bldg 1	Air Compressors	6	8.00	78	0.48
Architectural Coating Bldg 2	Aerial Lifts	2	8.00	63	0.31
Architectural Coating Bldg 2	Air Compressors	6	8.00	78	0.48
Paving Bldg 1	Cement and Mortar Mixers	1	3.00	9	0.56
Paving Bldg 1	Pavers	1	3.50	130	0.42
Paving Bldg 1	Paving Equipment	1	1.00	132	0.36
Paving Bldg 1	Rollers	1	2.00	80	0.38
Paving Bldg 1	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Paving Bldg 2	Cement and Mortar Mixers	1	2.70	9	0.56
Paving Bldg 2	Pavers	1	1.80	130	0.42
Paving Bldg 2	Paving Equipment	1	0.90	132	0.36
Paving Bldg 2	Rollers	1	0.90	80	0.38
Paving Bldg 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation Bldg 1	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Bldg 2	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Bldgs 1 & 2	14	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching Bldgs 1 & 2	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Bldg 1	9	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Bldg 2	10	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Bldg 1	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Bldg 2	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Bldg 1	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Bldg 2	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation Bldg 1 - 2025

Unmitigated Construction On-Site

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

Fugitive Dust					0.0117	0.0000	0.0117	1.2600e-003	0.0000	1.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1348	0.1332	2.8000e-004		4.8300e-003	4.8300e-003		4.4400e-003	4.4400e-003	0.0000	24.8348	24.8348	8.0300e-003	0.0000	25.0357
Total	0.0127	0.1348	0.1332	2.8000e-004	0.0117	4.8300e-003	0.0165	1.2600e-003	4.4400e-003	5.7000e-003	0.0000	24.8348	24.8348	8.0300e-003	0.0000	25.0357

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0117	0.0000	0.0117	1.2600e-003	0.0000	1.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1348	0.1332	2.8000e-004		4.8300e-003	4.8300e-003		4.4400e-003	4.4400e-003	0.0000	24.8348	24.8348	8.0300e-003	0.0000	25.0356
Total	0.0127	0.1348	0.1332	2.8000e-004	0.0117	4.8300e-003	0.0165	1.2600e-003	4.4400e-003	5.7000e-003	0.0000	24.8348	24.8348	8.0300e-003	0.0000	25.0356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation Bldg 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0119	0.0000	0.0119	1.2900e-003	0.0000	1.2900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1679	0.1864	3.6000e-004		6.1500e-003	6.1500e-003		5.6600e-003	5.6600e-003	0.0000	31.5647	31.5647	0.0102	0.0000	31.8200
Total	0.0159	0.1679	0.1864	3.6000e-004	0.0119	6.1500e-003	0.0181	1.2900e-003	5.6600e-003	6.9500e-003	0.0000	31.5647	31.5647	0.0102	0.0000	31.8200

Unmitigated Construction Off-Site

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					5.4600e-003	0.0000	5.4600e-003	8.3000e-004	0.0000	8.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1958	1.8360	2.8339	5.2400e-003		0.0731	0.0731		0.0673	0.0673	0.0000	459.8371	459.8371	0.1487	0.0000	463.5551
Total	0.1958	1.8360	2.8339	5.2400e-003	5.4600e-003	0.0731	0.0786	8.3000e-004	0.0673	0.0681	0.0000	459.8371	459.8371	0.1487	0.0000	463.5551

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading Bldgs 1 & 2 - 2026

Unmitigated Construction On-Site

Off-Road	0.0157	0.1469	0.2267	4.2000e-004		5.8500e-003	5.8500e-003		5.3800e-003	5.3800e-003	0.0000	36.7870	36.7870	0.0119	0.0000	37.0844
Total	0.0157	0.1469	0.2267	4.2000e-004	5.4600e-003	5.8500e-003	0.0113	8.3000e-004	5.3800e-003	6.2100e-003	0.0000	36.7870	36.7870	0.0119	0.0000	37.0844

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Trenching Bldgs 1 & 2 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0662	0.5631	1.0040	1.6500e-003		0.0241	0.0241		0.0233	0.0233	0.0000	143.0875	143.0875	0.0243	0.0000	143.6957
Total	0.0662	0.5631	1.0040	1.6500e-003		0.0241	0.0241		0.0233	0.0233	0.0000	143.0875	143.0875	0.0243	0.0000	143.6957

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0662	0.5631	1.0040	1.6500e-003		0.0241	0.0241		0.0233	0.0233	0.0000	143.0873	143.0873	0.0243	0.0000	143.6955
Total	0.0662	0.5631	1.0040	1.6500e-003		0.0241	0.0241		0.0233	0.0233	0.0000	143.0873	143.0873	0.0243	0.0000	143.6955

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0873	0.8187	0.9562	1.7700e-003		0.0331	0.0331		0.0312	0.0312	0.0000	152.2676	152.2676	0.0375	0.0000	153.2042
Total	0.0873	0.8187	0.9562	1.7700e-003		0.0331	0.0331		0.0312	0.0312	0.0000	152.2676	152.2676	0.0375	0.0000	153.2042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Building Construction Bldg 1 - 2027

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	0.0346	0.3243	0.3787	7.0000e-004		0.0131	0.0131		0.0123	0.0123	0.0000	60.3139	60.3139	0.0148	0.0000	60.6849
Total	0.0346	0.3243	0.3787	7.0000e-004		0.0131	0.0131		0.0123	0.0123	0.0000	60.3139	60.3139	0.0148	0.0000	60.6849

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
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Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3243	0.3787	7.0000e-004		0.0131	0.0131		0.0123	0.0123	0.0000	60.3138	60.3138	0.0148	0.0000	60.6848
Total	0.0346	0.3243	0.3787	7.0000e-004		0.0131	0.0131		0.0123	0.0123	0.0000	60.3138	60.3138	0.0148	0.0000	60.6848

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Building Construction Bldg 2 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0750	0.6563	0.7658	1.3900e-003		0.0259	0.0259		0.0245	0.0245	0.0000	117.6334	117.6334	0.0270	0.0000	118.3094
Total	0.0750	0.6563	0.7658	1.3900e-003		0.0259	0.0259		0.0245	0.0245	0.0000	117.6334	117.6334	0.0270	0.0000	118.3094

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0750	0.6563	0.7658	1.3900e-003		0.0259	0.0259		0.0245	0.0245	0.0000	117.6333	117.6333	0.0270	0.0000	118.3093
Total	0.0750	0.6563	0.7658	1.3900e-003		0.0259	0.0259		0.0245	0.0245	0.0000	117.6333	117.6333	0.0270	0.0000	118.3093

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Building Construction Bldg 2 - 2027

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	0.0798	0.6985	0.8150	1.4800e-003		0.0276	0.0276		0.0261	0.0261	0.0000	125.1878	125.1878	0.0288	0.0000	125.9073
Total	0.0798	0.6985	0.8150	1.4800e-003		0.0276	0.0276		0.0261	0.0261	0.0000	125.1878	125.1878	0.0288	0.0000	125.9073

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					

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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3.8 Architectural Coating Bldg 1 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0165	0.1174	0.1915	3.1000e-004		4.9400e-003	4.9400e-003		4.9300e-003	4.9300e-003	0.0000	26.8830	26.8830	2.3800e-003	0.0000	26.9425
Total	0.5921	0.1174	0.1915	3.1000e-004		4.9400e-003	4.9400e-003		4.9300e-003	4.9300e-003	0.0000	26.8830	26.8830	2.3800e-003	0.0000	26.9425

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0165	0.1174	0.1915	3.1000e-004		4.9400e-003	4.9400e-003		4.9300e-003	4.9300e-003	0.0000	26.8830	26.8830	2.3800e-003	0.0000	26.9425
Total	0.5921	0.1174	0.1915	3.1000e-004		4.9400e-003	4.9400e-003		4.9300e-003	4.9300e-003	0.0000	26.8830	26.8830	2.3800e-003	0.0000	26.9425

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Architectural Coating Bldg 1 - 2027

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	5.1807					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1485	1.0562	1.7238	2.8100e-003		0.0445	0.0445		0.0443	0.0443	0.0000	241.9473	241.9473	0.0214	0.0000	242.4826
Total	5.3292	1.0562	1.7238	2.8100e-003		0.0445	0.0445		0.0443	0.0443	0.0000	241.9473	241.9473	0.0214	0.0000	242.4826

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	5.1807					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1485	1.0562	1.7238	2.8100e-003		0.0445	0.0445		0.0443	0.0443	0.0000	241.9471	241.9471	0.0214	0.0000	242.4823
Total	5.3292	1.0562	1.7238	2.8100e-003		0.0445	0.0445		0.0443	0.0443	0.0000	241.9471	241.9471	0.0214	0.0000	242.4823

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Architectural Coating Bldg 2 - 2027

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	2.6755					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0947	0.6735	1.0992	1.7900e-003		0.0284	0.0284		0.0283	0.0283	0.0000	154.2853	154.2853	0.0137	0.0000	154.6266
Total	2.7702	0.6735	1.0992	1.7900e-003		0.0284	0.0284		0.0283	0.0283	0.0000	154.2853	154.2853	0.0137	0.0000	154.6266

Unmitigated Construction Off-Site

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	3.0809					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1091	0.7756	1.2658	2.0600e-003		0.0327	0.0327		0.0326	0.0326	0.0000	177.6616	177.6616	0.0157	0.0000	178.0546
Total	3.1899	0.7756	1.2658	2.0600e-003		0.0327	0.0327		0.0326	0.0326	0.0000	177.6616	177.6616	0.0157	0.0000	178.0546

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Paving Bldg 1 - 2027

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	0.0159	0.1530	0.2517	3.7000e-004		6.5700e-003	6.5700e-003		6.0700e-003	6.0700e-003	0.0000	32.3551	32.3551	0.0103	0.0000	32.6128
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1530	0.2517	3.7000e-004		6.5700e-003	6.5700e-003		6.0700e-003	6.0700e-003	0.0000	32.3551	32.3551	0.0103	0.0000	32.6128

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0159	0.1530	0.2517	3.7000e-004		6.5700e-003	6.5700e-003		6.0700e-003	6.0700e-003	0.0000	32.3550	32.3550	0.0103	0.0000	32.6127

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1530	0.2517	3.7000e-004		6.5700e-003	6.5700e-003		6.0700e-003	6.0700e-003	0.0000	32.3550	32.3550	0.0103	0.0000	32.6127

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.11 Paving Bldg 2 - 2028

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	0.0163	0.1589	0.2626	3.8000e-004		6.6700e-003	6.6700e-003		6.1500e-003	6.1500e-003	0.0000	33.2374	33.2374	0.0106	0.0000	33.5022
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.1589	0.2626	3.8000e-004		6.6700e-003	6.6700e-003		6.1500e-003	6.1500e-003	0.0000	33.2374	33.2374	0.0106	0.0000	33.5022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0163	0.1589	0.2626	3.8000e-004		6.6700e-003	6.6700e-003		6.1500e-003	6.1500e-003	0.0000	33.2374	33.2374	0.0106	0.0000	33.5022
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.1589	0.2626	3.8000e-004		6.6700e-003	6.6700e-003		6.1500e-003	6.1500e-003	0.0000	33.2374	33.2374	0.0106	0.0000	33.5022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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El Paseo, San Jose - Bldg 1 & 2 Construction Mitigated - Santa Clara County, Annual

El Paseo, San Jose - Bldg 1 & 2 Construction Mitigated
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,007.00	Space	0.00	396,244.00	0
Apartments Mid Rise	775.00	Dwelling Unit	5.82	783,459.00	2217
Strip Mall	30.42	1000sqft	0.00	30,420.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2018 Rate

Land Use - Provided land uses based on construction worksheet for Bldg 1 & 2 phases.

Construction Phase - Provided construction schedule for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hours for Bldgs 1 & 2 phases

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Off-road Equipment - Provided construction equip & hoursfor Bldgs 1 & 2 phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 1 & 2 phases

Trips and VMT - 0 Trips EMFAC2017, site prep pavement demo = 1,500 tons, Trenching = 2,200 cement truck round trips, bldg ext = 1,530 / 1,660 cement truck round trips, paving = 500-cy concrete

Demolition -

Grading - grading = 96,500-cy export

Architectural Coating - At least 90% of paints have to be super-compliant VOC = effectively 19gm/L interior and 24g/L exterior

Construction Off-road Equipment Mitigation - Enhanced BMPs, Tier 4 final engine mitigation, electric cranes, portable equip, and aerial lifts

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	19.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	19.00
tblArchitecturalCoating	EF_Parking	150.00	24.00
tblArchitecturalCoating	EF_Parking	150.00	24.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	19.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	19.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	NumDays	20.00	284.00
tblConstructionPhase	NumDays	230.00	215.00
tblConstructionPhase	NumDays	230.00	225.00
tblConstructionPhase	NumDays	20.00	162.00

tblConstructionPhase	NumDays	20.00	92.00
tblConstructionPhase	NumDays	20.00	83.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	10.00	45.00
tblGrading	AcresOfGrading	162.00	0.00
tblGrading	MaterialExported	0.00	96,500.00
tblLandUse	LandUseSquareFeet	402,800.00	396,244.00
tblLandUse	LandUseSquareFeet	775,000.00	783,459.00
tblLandUse	LotAcreage	9.06	0.00
tblLandUse	LotAcreage	12.50	5.82
tblLandUse	LotAcreage	0.70	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.80
tblOffRoadEquipment	UsageHours	8.00	3.50
tblOffRoadEquipment	UsageHours	8.00	0.90
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.90
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	6.90
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblTripsAndVMT	HaulingTripNumber	12,063.00	0.00
tblTripsAndVMT	VendorTripNumber	153.00	0.00
tblTripsAndVMT	VendorTripNumber	153.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00

tblTripsAndVMT	WorkerTripNumber	35.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	734.00	0.00
tblTripsAndVMT	WorkerTripNumber	734.00	0.00
tblTripsAndVMT	WorkerTripNumber	147.00	0.00
tblTripsAndVMT	WorkerTripNumber	147.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.0720	0.3120	3.8756	5.8800e-003	0.0113	9.6000e-003	0.0209	6.6000e-004	9.6000e-003	0.0103	0.0000	516.2366	516.2366	0.1670	0.0000	520.4106
2026	0.1405	0.1603	2.2437	5.7100e-003	2.1300e-003	4.9300e-003	7.0600e-003	1.6000e-004	4.9300e-003	5.0900e-003	0.0000	286.7375	286.7375	0.0555	0.0000	288.1260
2027	1.4255	0.0590	0.8401	7.2200e-003	0.0000	1.8200e-003	1.8200e-003	0.0000	1.8200e-003	1.8200e-003	0.0000	104.2744	104.2744	0.0233	0.0000	104.8571
2028	0.5582	0.0196	0.2787	2.4400e-003	0.0000	6.0000e-004	6.0000e-004	0.0000	6.0000e-004	6.0000e-004	0.0000	33.2374	33.2374	0.0106	0.0000	33.5022
Maximum	1.4255	0.3120	3.8756	7.2200e-003	0.0113	9.6000e-003	0.0209	6.6000e-004	9.6000e-003	0.0103	0.0000	516.2366	516.2366	0.1670	0.0000	520.4106

	ROG	NOx	CO	SO2	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	28.54	93.45	40.90	0.00	61.00	95.03	91.91	80.48	94.80	94.62	0.00	48.76	48.76	33.75	0.00	48.68

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2025	6-30-2025	0.4793	0.0710

2	7-1-2025	9-30-2025	0.9923	0.1629
3	10-1-2025	12-31-2025	0.8901	0.1499
4	1-1-2026	3-31-2026	0.5094	0.0807
5	4-1-2026	6-30-2026	0.4152	0.0482
6	7-1-2026	9-30-2026	0.7232	0.0304
7	10-1-2026	12-31-2026	1.1002	0.1361
8	1-1-2027	3-31-2027	1.5021	0.3243
9	4-1-2027	6-30-2027	1.0157	0.3066
10	7-1-2027	9-30-2027	1.3434	0.5410
11	10-1-2027	12-31-2027	0.8780	0.3144
12	1-1-2028	3-31-2028	0.6151	0.2368
13	4-1-2028	6-30-2028	0.6559	0.2424
14	7-1-2028	9-30-2028	0.3415	0.1005
		Highest	1.5021	0.5410

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 Bldg 1	Site Preparation	4/1/2025	5/31/2025	5	44	
2	Site Preparation Bldg 2	Site Preparation	6/3/2025	8/4/2025	5	45	
3	Grading Bldgs 1 & 2	Grading	6/5/2025	1/16/2026	5	162	
4	Trenching Bldgs 1 & 2	Trenching	1/20/2026	5/25/2026	5	90	
5	Building Construction Bldg 1	Building Construction	6/1/2026	3/28/2027	5	215	
6	Building Construction Bldg 2	Building Construction	8/1/2026	6/11/2027	5	225	
7	Architectural Coating Bldg 1	Architectural Coating	12/1/2026	10/18/2027	5	230	
8	Architectural Coating Bldg 2	Architectural Coating	7/1/2027	8/1/2028	5	284	
9	Paving Bldg 1	Paving	9/1/2027	12/24/2027	5	83	
10	Paving Bldg 2	Paving	6/1/2028	10/7/2028	5	92	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 1,586,504; Residential Outdoor: 528,835; Non-Residential Indoor: 45,630; Non-Residential Outdoor: 15,210; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation Bldg 1	Graders	1	8.00	187	0.41
Site Preparation Bldg 1	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation Bldg 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation Bldg 2	Graders	1	8.00	187	0.41
Site Preparation Bldg 2	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation Bldg 2	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading Bldgs 1 & 2	Bore/Drill Rigs	2	3.10	221	0.50
Grading Bldgs 1 & 2	Excavators	4	10.00	158	0.38
Grading Bldgs 1 & 2	Graders	2	8.00	187	0.41
Grading Bldgs 1 & 2	Rubber Tired Dozers	0	0.00	247	0.40
Grading Bldgs 1 & 2	Tractors/Loaders/Backhoes	6	10.00	97	0.37
Trenching Bldgs 1 &2	Excavators	2	8.00	158	0.38
Trenching Bldgs 1 &2	Pumps	4	6.10	84	0.74
Trenching Bldgs 1 &2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction Bldg 1	Aerial Lifts	2	10.00	63	0.31
Building Construction Bldg 1	Cranes	1	10.00	231	0.29
Building Construction Bldg 1	Forklifts	3	8.00	89	0.20
Building Construction Bldg 1	Generator Sets	0	0.00	84	0.74
Building Construction Bldg 1	Pumps	2	2.90	84	0.74
Building Construction Bldg 1	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction Bldg 1	Welders	2	6.90	46	0.45
Building Construction Bldg 2	Aerial Lifts	2	9.10	63	0.31
Building Construction Bldg 2	Cranes	1	10.00	231	0.29

Building Construction Bldg 2	Forklifts	3	8.00	89	0.20
Building Construction Bldg 2	Generator Sets	0	0.00	84	0.74
Building Construction Bldg 2	Pumps	2	2.90	84	0.74
Building Construction Bldg 2	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction Bldg 2	Welders	2	8.00	46	0.45
Architectural Coating Bldg 1	Aerial Lifts	2	8.00	63	0.31
Architectural Coating Bldg 1	Air Compressors	6	8.00	78	0.48
Architectural Coating Bldg 2	Aerial Lifts	2	8.00	63	0.31
Architectural Coating Bldg 2	Air Compressors	6	8.00	78	0.48
Paving Bldg 1	Cement and Mortar Mixers	1	3.00	9	0.56
Paving Bldg 1	Pavers	1	3.50	130	0.42
Paving Bldg 1	Paving Equipment	1	1.00	132	0.36
Paving Bldg 1	Rollers	1	2.00	80	0.38
Paving Bldg 1	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving Bldg 2	Cement and Mortar Mixers	1	2.70	9	0.56
Paving Bldg 2	Pavers	1	1.80	130	0.42
Paving Bldg 2	Paving Equipment	1	0.90	132	0.36
Paving Bldg 2	Rollers	1	0.90	80	0.38
Paving Bldg 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation Bldg 1	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Bldg 2	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Bldgs 1 & 2	14	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching Bldgs 1 & 2	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Bldg 1	10	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Bldg 2	10	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Bldg 1	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Architectural Coating Bldg 2	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Bldg 1	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Bldg 2	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Alternative Fuel for Construction Equipment
- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation Bldg 1 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0117	0.0000	0.0117	1.2600e-003	0.0000	1.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1348	0.1332	2.8000e-004		4.8300e-003	4.8300e-003		4.4400e-003	4.4400e-003	0.0000	24.8348	24.8348	8.0300e-003	0.0000	25.0357
Total	0.0127	0.1348	0.1332	2.8000e-004	0.0117	4.8300e-003	0.0165	1.2600e-003	4.4400e-003	5.7000e-003	0.0000	24.8348	24.8348	8.0300e-003	0.0000	25.0357

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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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					4.6500e-003	0.0000	4.6500e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3900e-003	0.0190	0.2250	3.6000e-004		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	31.5647	31.5647	0.0102	0.0000	31.8199
Total	4.3900e-003	0.0190	0.2250	3.6000e-004	4.6500e-003	5.9000e-004	5.2400e-003	2.5000e-004	5.9000e-004	8.4000e-004	0.0000	31.5647	31.5647	0.0102	0.0000	31.8199

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading Bldgs 1 & 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					5.4600e-003	0.0000	5.4600e-003	8.3000e-004	0.0000	8.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1958	1.8360	2.8339	5.2400e-003		0.0731	0.0731		0.0673	0.0673	0.0000	459.8376	459.8376	0.1487	0.0000	463.5557
Total	0.1958	1.8360	2.8339	5.2400e-003	5.4600e-003	0.0731	0.0786	8.3000e-004	0.0673	0.0681	0.0000	459.8376	459.8376	0.1487	0.0000	463.5557

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					2.1300e-003	0.0000	2.1300e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0642	0.2780	3.4821	5.2400e-003		8.5500e-003	8.5500e-003		8.5500e-003	8.5500e-003	0.0000	459.8371	459.8371	0.1487	0.0000	463.5551

Total	0.0642	0.2780	3.4821	5.2400e-003	2.1300e-003	8.5500e-003	0.0107	1.6000e-004	8.5500e-003	8.7100e-003	0.0000	459.8371	459.8371	0.1487	0.0000	463.5551
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading Bldgs 1 & 2 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.4600e-003	0.0000	5.4600e-003	8.3000e-004	0.0000	8.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1469	0.2267	4.2000e-004		5.8500e-003	5.8500e-003		5.3800e-003	5.3800e-003	0.0000	36.7870	36.7870	0.0119	0.0000	37.0845
Total	0.0157	0.1469	0.2267	4.2000e-004	5.4600e-003	5.8500e-003	0.0113	8.3000e-004	5.3800e-003	6.2100e-003	0.0000	36.7870	36.7870	0.0119	0.0000	37.0845

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					2.1300e-003	0.0000	2.1300e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1300e-003	0.0222	0.2786	4.2000e-004		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	36.7870	36.7870	0.0119	0.0000	37.0844
Total	5.1300e-003	0.0222	0.2786	4.2000e-004	2.1300e-003	6.8000e-004	2.8100e-003	1.6000e-004	6.8000e-004	8.4000e-004	0.0000	36.7870	36.7870	0.0119	0.0000	37.0844

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					

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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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	0.0182	0.0787	1.1201	1.6500e-003		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	143.0873	143.0873	0.0243	0.0000	143.6955
Total	0.0182	0.0787	1.1201	1.6500e-003		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	143.0873	143.0873	0.0243	0.0000	143.6955

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Building Construction Bldg 1 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1019	0.9079	1.0658	1.9400e-003		0.0359	0.0359		0.0339	0.0339	0.0000	164.7680	164.7680	0.0387	0.0000	165.7343
Total	0.1019	0.9079	1.0658	1.9400e-003		0.0359	0.0359		0.0339	0.0339	0.0000	164.7680	164.7680	0.0387	0.0000	165.7343

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

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

Off-Road	8.0200e-003	0.0348	0.4948	1.9400e-003		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	62.5739	62.5739	0.0113	0.0000	62.8567
Total	8.0200e-003	0.0348	0.4948	1.9400e-003		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	62.5739	62.5739	0.0113	0.0000	62.8567

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Building Construction Bldg 1 - 2027

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	0.0404	0.3596	0.4222	7.7000e-004		0.0142	0.0142		0.0134	0.0134	0.0000	65.2652	65.2652	0.0153	0.0000	65.6480
Total	0.0404	0.3596	0.4222	7.7000e-004		0.0142	0.0142		0.0134	0.0134	0.0000	65.2652	65.2652	0.0153	0.0000	65.6480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	3.1800e-003	0.0138	0.1960	7.7000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	24.7858	24.7858	4.4800e-003	0.0000	24.8978
Total	3.1800e-003	0.0138	0.1960	7.7000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	24.7858	24.7858	4.4800e-003	0.0000	24.8978

Mitigated Construction Off-Site

3.7 Building Construction Bldg 2 - 2027

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	0.0798	0.6985	0.8150	1.4800e-003		0.0276	0.0276		0.0261	0.0261	0.0000	125.1878	125.1878	0.0288	0.0000	125.9073
Total	0.0798	0.6985	0.8150	1.4800e-003		0.0276	0.0276		0.0261	0.0261	0.0000	125.1878	125.1878	0.0288	0.0000	125.9073

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Architectural Coating Bldg 1 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1485	1.0562	1.7238	2.8100e-003		0.0445	0.0445		0.0443	0.0443	0.0000	241.9473	241.9473	0.0214	0.0000	242.4826
Total	1.0796	1.0562	1.7238	2.8100e-003		0.0445	0.0445		0.0443	0.0443	0.0000	241.9473	241.9473	0.0214	0.0000	242.4826

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	1.7900e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.4808	0.0000	0.0000	1.7900e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Architectural Coating Bldg 2 - 2028

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
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Total	0.5537	0.0000	0.0000	2.0600e-003		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.10 Paving Bldg 1 - 2027

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	0.0159	0.1530	0.2517	3.7000e-004		6.5700e-003	6.5700e-003		6.0700e-003	6.0700e-003	0.0000	32.3551	32.3551	0.0103	0.0000	32.6128
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1530	0.2517	3.7000e-004		6.5700e-003	6.5700e-003		6.0700e-003	6.0700e-003	0.0000	32.3551	32.3551	0.0103	0.0000	32.6128

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	4.4000e-003	0.0191	0.2715	3.7000e-004		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	32.3550	32.3550	0.0103	0.0000	32.6127
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.4000e-003	0.0191	0.2715	3.7000e-004		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	32.3550	32.3550	0.0103	0.0000	32.6127

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					

Saratoga, San Jose - Bldg 4A & 4B Construction Unmitigated - Santa Clara County, Annual

Saratoga, San Jose - Bldg 4A & 4B Construction Unmitigated
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	116.00	Space	0.00	64,226.00	0
Parking Lot	5.00	Space	0.00	810.00	0
Congregate Care (Assisted Living)	279.00	Dwelling Unit	1.72	231,000.00	798

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2018 Rate

Land Use - Provided land uses based on construction worksheet for Bldgs 4A & 4B phases

Construction Phase - Provided construction schedule for Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Trips and VMT - 0 Trips EMFAC2017, pavement demo = 550 tons, site prep pavement demo = 60 tons, Trenching = 850 cement truck round trips, paving = 300-cy asphalt and 270-cy concrete

Demolition - existing building demo = 34,000-sf

Grading - grading = 28,000-cy export

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	235.00
tblConstructionPhase	NumDays	200.00	256.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	4.00	92.00
tblConstructionPhase	NumDays	10.00	41.00
tblConstructionPhase	NumDays	2.00	24.00
tblConstructionPhase	PhaseEndDate	7/12/2027	6/26/2029
tblConstructionPhase	PhaseEndDate	6/14/2027	8/2/2028
tblConstructionPhase	PhaseEndDate	8/28/2026	9/30/2026
tblConstructionPhase	PhaseEndDate	9/7/2026	3/23/2027
tblConstructionPhase	PhaseEndDate	6/28/2027	7/28/2029
tblConstructionPhase	PhaseEndDate	9/1/2026	11/5/2026
tblConstructionPhase	PhaseEndDate	9/7/2026	7/31/2027
tblConstructionPhase	PhaseStartDate	6/29/2027	8/2/2028
tblConstructionPhase	PhaseStartDate	9/8/2026	8/11/2027
tblConstructionPhase	PhaseStartDate	9/2/2026	11/15/2026
tblConstructionPhase	PhaseStartDate	6/15/2027	6/1/2029
tblConstructionPhase	PhaseStartDate	8/29/2026	10/5/2026
tblConstructionPhase	PhaseStartDate	9/8/2026	4/1/2027
tblGrading	MaterialExported	0.00	28,000.00
tblLandUse	LandUseSquareFeet	46,400.00	64,226.00
tblLandUse	LandUseSquareFeet	2,000.00	810.00

tblLandUse	LandUseSquareFeet	279,000.00	231,000.00
tblLandUse	LotAcreage	1.04	0.00
tblLandUse	LotAcreage	0.05	0.00
tblLandUse	LotAcreage	17.44	1.72
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	6.96
tblOffRoadEquipment	UsageHours	6.00	3.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	6.00	4.60
tblOffRoadEquipment	UsageHours	8.00	4.60
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00

tblOffRoadEquipment	UsageHours	8.00	4.60
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblTripsAndVMT	HaulingTripNumber	155.00	0.00
tblTripsAndVMT	HaulingTripNumber	3,500.00	0.00
tblTripsAndVMT	VendorTripNumber	40.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	228.00	0.00
tblTripsAndVMT	WorkerTripNumber	46.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0688	0.6345	1.0204	1.7300e-003	0.0735	0.0257	0.0992	8.7300e-003	0.0238	0.0326	0.0000	151.8654	151.8654	0.0459	0.0000	153.0125
2027	0.1250	1.1151	1.8241	3.0800e-003	0.0504	0.0463	0.0966	5.5100e-003	0.0432	0.0487	0.0000	268.0653	268.0653	0.0738	0.0000	269.9111
2028	0.8119	0.4740	0.7019	1.1600e-003	0.0000	0.0190	0.0190	0.0000	0.0186	0.0186	0.0000	99.1113	99.1113	0.0135	0.0000	99.4478
2029	0.9240	0.3132	0.5277	8.3000e-004	0.0000	0.0123	0.0123	0.0000	0.0120	0.0120	0.0000	71.8130	71.8130	0.0130	0.0000	72.1389
Maximum	0.9240	1.1151	1.8241	3.0800e-003	0.0735	0.0463	0.0992	8.7300e-003	0.0432	0.0487	0.0000	268.0653	268.0653	0.0738	0.0000	269.9111

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-1-2026	10-31-2026	0.2910	0.2910
2	11-1-2026	1-31-2027	0.6632	0.6632
3	2-1-2027	4-30-2027	0.5109	0.5109
4	5-1-2027	7-31-2027	0.2663	0.2663
5	8-1-2027	10-31-2027	0.1207	0.1207
6	11-1-2027	1-31-2028	0.1354	0.1354
7	2-1-2028	4-30-2028	0.1325	0.1325
8	5-1-2028	7-31-2028	0.1354	0.1354
9	8-1-2028	10-31-2028	0.5871	0.5871
10	11-1-2028	1-31-2029	0.5905	0.5905
11	2-1-2029	4-30-2029	0.5713	0.5713
12	5-1-2029	7-31-2029	0.4628	0.4628
		Highest	0.6632	0.6632

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2026	9/30/2026	5	43	
2	Site Preparation	Site Preparation	10/5/2026	11/5/2026	5	24	
3	Grading	Grading	11/15/2026	3/23/2027	5	92	
4	Trenching	Trenching	4/1/2027	7/31/2027	5	87	
5	Building Construction	Building Construction	8/11/2027	8/2/2028	5	256	
6	Architectural Coating	Architectural Coating	8/2/2028	6/26/2029	5	235	
7	Paving	Paving	6/1/2029	7/28/2029	5	41	

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 92

Acres of Paving: 0

Residential Indoor: 467,775; Residential Outdoor: 155,925; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	4	10.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Trenching	Excavators	2	8.00	158	0.38
Trenching	Pumps	2	3.53	84	0.74
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	1.00	231	0.29
Building Construction	Forklifts	2	4.60	89	0.20
Building Construction	Generator Sets	1	4.60	84	0.74
Building Construction	Pumps	1	0.64	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction	Welders	1	4.60	46	0.45
Architectural Coating	Aerial Lifts	2	6.96	63	0.31
Architectural Coating	Air Compressors	2	6.96	78	0.48
Paving	Cement and Mortar Mixers	1	3.00	9	0.56
Paving	Pavers	1	2.00	130	0.42
Paving	Paving Equipment	1	2.00	132	0.36

Paving	Rollers	2	2.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	12	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0167	0.0000	0.0167	2.5300e-003	0.0000	2.5300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0221	0.1874	0.3623	5.6000e-004		8.0600e-003	8.0600e-003		7.5800e-003	7.5800e-003	0.0000	48.7516	48.7516	0.0125	0.0000	49.0650
Total	0.0221	0.1874	0.3623	5.6000e-004	0.0167	8.0600e-003	0.0248	2.5300e-003	7.5800e-003	0.0101	0.0000	48.7516	48.7516	0.0125	0.0000	49.0650

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0167	0.0000	0.0167	2.5300e-003	0.0000	2.5300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0221	0.1874	0.3623	5.6000e-004		8.0600e-003	8.0600e-003		7.5700e-003	7.5700e-003	0.0000	48.7516	48.7516	0.0125	0.0000	49.0650
Total	0.0221	0.1874	0.3623	5.6000e-004	0.0167	8.0600e-003	0.0248	2.5300e-003	7.5700e-003	0.0101	0.0000	48.7516	48.7516	0.0125	0.0000	49.0650

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					

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4900e-003	0.0895	0.0994	1.9000e-004		3.2800e-003	3.2800e-003		3.0200e-003	3.0200e-003	0.0000	16.8345	16.8345	5.4400e-003	0.0000	16.9706
Total	8.4900e-003	0.0895	0.0994	1.9000e-004	6.3600e-003	3.2800e-003	9.6400e-003	6.9000e-004	3.0200e-003	3.7100e-003	0.0000	16.8345	16.8345	5.4400e-003	0.0000	16.9706

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0504	0.0000	0.0504	5.5100e-003	0.0000	5.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0383	0.3576	0.5587	9.8000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	86.2792	86.2792	0.0279	0.0000	86.9768
Total	0.0383	0.3576	0.5587	9.8000e-004	0.0504	0.0144	0.0648	5.5100e-003	0.0132	0.0188	0.0000	86.2792	86.2792	0.0279	0.0000	86.9768

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0504	0.0000	0.0504	5.5100e-003	0.0000	5.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0383	0.3576	0.5587	9.8000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	86.2791	86.2791	0.0279	0.0000	86.9767
Total	0.0383	0.3576	0.5587	9.8000e-004	0.0504	0.0144	0.0648	5.5100e-003	0.0132	0.0188	0.0000	86.2791	86.2791	0.0279	0.0000	86.9767

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading - 2027

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					0.0504	0.0000	0.0504	5.5100e-003	0.0000	5.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0653	0.6099	0.9530	1.6800e-003		0.0246	0.0246		0.0226	0.0226	0.0000	147.1822	147.1822	0.0476	0.0000	148.3723
Total	0.0653	0.6099	0.9530	1.6800e-003	0.0504	0.0246	0.0749	5.5100e-003	0.0226	0.0281	0.0000	147.1822	147.1822	0.0476	0.0000	148.3723

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0504	0.0000	0.0504	5.5100e-003	0.0000	5.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0653	0.6099	0.9530	1.6800e-003		0.0246	0.0246		0.0226	0.0226	0.0000	147.1820	147.1820	0.0476	0.0000	148.3721
Total	0.0653	0.6099	0.9530	1.6800e-003	0.0504	0.0246	0.0749	5.5100e-003	0.0226	0.0281	0.0000	147.1820	147.1820	0.0476	0.0000	148.3721

Mitigated Construction Off-Site

3.6 Building Construction - 2027

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	0.0227	0.1895	0.2509	4.3000e-004		7.9100e-003	7.9100e-003		7.6400e-003	7.6400e-003	0.0000	35.8565	35.8565	4.8700e-003	0.0000	35.9783
Total	0.0227	0.1895	0.2509	4.3000e-004		7.9100e-003	7.9100e-003		7.6400e-003	7.6400e-003	0.0000	35.8565	35.8565	4.8700e-003	0.0000	35.9783

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0227	0.1895	0.2509	4.3000e-004		7.9100e-003	7.9100e-003		7.6400e-003	7.6400e-003	0.0000	35.8565	35.8565	4.8700e-003	0.0000	35.9782
Total	0.0227	0.1895	0.2509	4.3000e-004		7.9100e-003	7.9100e-003		7.6400e-003	7.6400e-003	0.0000	35.8565	35.8565	4.8700e-003	0.0000	35.9782

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Building Construction - 2028

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	0.0338	0.2816	0.3727	6.3000e-004		0.0118	0.0118		0.0113	0.0113	0.0000	53.2626	53.2626	7.2300e-003	0.0000	53.4434

Total	0.0338	0.2816	0.3727	6.3000e-004		0.0118	0.0118		0.0113	0.0113	0.0000	53.2626	53.2626	7.2300e-003	0.0000	53.4434
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0338	0.2816	0.3727	6.3000e-004		0.0118	0.0118		0.0113	0.0113	0.0000	53.2625	53.2625	7.2300e-003	0.0000	53.4434
Total	0.0338	0.2816	0.3727	6.3000e-004		0.0118	0.0118		0.0113	0.0113	0.0000	53.2625	53.2625	7.2300e-003	0.0000	53.4434

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.1924	0.3292	5.3000e-004		7.2900e-003	7.2900e-003		7.2200e-003	7.2200e-003	0.0000	45.8487	45.8487	6.2300e-003	0.0000	46.0044
Total	0.7782	0.1924	0.3292	5.3000e-004		7.2900e-003	7.2900e-003		7.2200e-003	7.2200e-003	0.0000	45.8487	45.8487	6.2300e-003	0.0000	46.0044

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8861					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0289	0.2263	0.3871	6.2000e-004		8.5700e-003	8.5700e-003		8.4900e-003	8.4900e-003	0.0000	53.9146	53.9146	7.3200e-003	0.0000	54.0977
Total	0.9151	0.2263	0.3871	6.2000e-004		8.5700e-003	8.5700e-003		8.4900e-003	8.4900e-003	0.0000	53.9146	53.9146	7.3200e-003	0.0000	54.0977

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Paving - 2029

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
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Saratoga, San Jose - Bldg 4A & 4B Construction Mitigated - Santa Clara County, Annual

Saratoga, San Jose - Bldg 4A & 4B Construction Mitigated

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	116.00	Space	0.00	64,226.00	0
Parking Lot	5.00	Space	0.00	810.00	0
Congregate Care (Assisted Living)	279.00	Dwelling Unit	1.72	231,000.00	798

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2018 Rate

Land Use - Provided land uses based on construction worksheet for Bldgs 4A & 4B phases

Construction Phase - Provided construction schedule for Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Off-road Equipment - Provided construction equip & hoursfor Bldgs 4A & 4B phases

Trips and VMT - 0 Trips EMFAC2017, pavement demo = 550 tons, site prep pavement demo = 60 tons, Trenching = 850 cement truck round trips, paving = 300-cy asphalt and 270-cy concrete

Demolition - existing building demo = 34,000-sf

Grading - grading = 28,000-cy export

Architectural Coating - At least 90% of paints have to be super-compliant VOC = effectively 19gm/L interior and 24g/L exterior

Construction Off-road Equipment Mitigation - Enhanced BMPs, Tier 4 final engine mitigation, electric cranes, portable equip, and aerial lifts

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	19.00
tblArchitecturalCoating	EF_Parking	150.00	24.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	24.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	19.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	235.00
tblConstructionPhase	NumDays	200.00	256.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	4.00	92.00
tblConstructionPhase	NumDays	10.00	41.00
tblConstructionPhase	NumDays	2.00	24.00
tblGrading	MaterialExported	0.00	28,000.00
tblLandUse	LandUseSquareFeet	46,400.00	64,226.00
tblLandUse	LandUseSquareFeet	2,000.00	810.00
tblLandUse	LandUseSquareFeet	279,000.00	231,000.00
tblLandUse	LotAcreage	1.04	0.00
tblLandUse	LotAcreage	0.05	0.00

tblLandUse	LotAcreage	17.44	1.72
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	3.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	6.00	4.60
tblOffRoadEquipment	UsageHours	8.00	4.60
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.60
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblTripsAndVMT	HaulingTripNumber	155.00	0.00

tblTripsAndVMT	HaulingTripNumber	3,500.00	0.00
tblTripsAndVMT	VendorTripNumber	40.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	228.00	0.00
tblTripsAndVMT	WorkerTripNumber	46.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0196	0.0847	1.1126	1.7300e-003	0.0287	2.61E-03	0.0313	1.7000e-003	2.61E-03	4.3100e-003	0.0000	140.3056	140.3056	0.0454	0.0000	141.44
2027	0.0332	0.144	1.9317	3.0700e-003	0.0196	4.43E-03	0.0241	1.0700e-003	4.43E-03	5.5000e-003	0.0000	242.1606	242.1606	0.0716	0.0000	243.951
2028	0.1376	8.82E-03	0.1255	1.1600e-003	0.0000	2.70E-04	2.7000e-004	0.0000	2.70E-04	2.7000e-004	0.0000	15.0571	15.0571	3.9500e-003	0.0000	15.1559
2029	0.1618	0.0106	0.1505	8.3000e-004	0.0000	3.30E-04	3.3000e-004	0.0000	3.30E-04	3.3000e-004	0.0000	17.8983	17.8983	5.7100e-003	0.0000	18.0411
Maximum	0.1618	0.1440	1.9317	3.0700e-003	0.0287	4.4300e-003	0.0313	1.7000e-003	4.4300e-003	5.5000e-003	0.0000	242.1606	242.1606	0.0716	0.0000	243.9510

	ROG	NOx	CO	SO2	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	39.80	90.22	18.51	0.00	61.00	92.61	75.38	80.55	92.17	90.69	0.00	29.69	29.69	13.42	0.00	29.59

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-1-2026	10-31-2026	0.2910	0.0380
2	11-1-2026	1-31-2027	0.6632	0.1070
3	2-1-2027	4-30-2027	0.5107	0.0837
4	5-1-2027	7-31-2027	0.2657	0.0457
5	8-1-2027	10-31-2027	0.1203	0.0042
6	11-1-2027	1-31-2028	0.1350	0.0047
7	2-1-2028	4-30-2028	0.1321	0.0046
8	5-1-2028	7-31-2028	0.1350	0.0047
9	8-1-2028	10-31-2028	0.2159	0.0817
10	11-1-2028	1-31-2029	0.2153	0.0825
11	2-1-2029	4-30-2029	0.2082	0.0798
12	5-1-2029	7-31-2029	0.2302	0.0642
		Highest	0.6632	0.1070

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2026	9/30/2026	5	43	
2	Site Preparation	Site Preparation	10/5/2026	11/5/2026	5	24	
3	Grading	Grading	11/15/2026	3/23/2027	5	92	
4	Trenching	Trenching	4/1/2027	7/31/2027	5	87	
5	Building Construction	Building Construction	8/11/2027	8/2/2028	5	256	
6	Architectural Coating	Architectural Coating	8/2/2028	6/26/2029	5	235	
7	Paving	Paving	6/1/2029	7/28/2029	5	41	

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 92

Acres of Paving: 0

Residential Indoor: 467,775; Residential Outdoor: 155,925; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	4	10.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Trenching	Excavators	2	8.00	158	0.38
Trenching	Pumps	2	3.50	84	0.74
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	1.00	231	0.29
Building Construction	Forklifts	2	4.60	89	0.20
Building Construction	Generator Sets	1	4.60	84	0.74
Building Construction	Pumps	1	0.60	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building Construction	Welders	1	4.60	46	0.45
Architectural Coating	Aerial Lifts	2	7.00	63	0.31
Architectural Coating	Air Compressors	2	7.00	78	0.48
Paving	Cement and Mortar Mixers	1	3.00	9	0.56
Paving	Pavers	1	2.00	130	0.42
Paving	Paving Equipment	1	2.00	132	0.36
Paving	Rollers	2	2.00	80	0.38

Off-Road	0.0221	0.1874	0.3623	5.6000e-004		8.0600e-003	8.0600e-003		7.5800e-003	7.5800e-003	0.0000	48.7516	48.7516	0.0125	0.0000	49.0650
Total	0.0221	0.1874	0.3623	5.6000e-004	0.0167	8.0600e-003	0.0248	2.5300e-003	7.5800e-003	0.0101	0.0000	48.7516	48.7516	0.0125	0.0000	49.0650

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.5300e-003	0.0000	6.5300e-003	4.9000e-004	0.0000	4.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1800e-003	0.0225	0.3195	5.6000e-004		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	37.1919	37.1919	0.0120	0.0000	37.4926
Total	5.1800e-003	0.0225	0.3195	5.6000e-004	6.5300e-003	6.9000e-004	7.2200e-003	4.9000e-004	6.9000e-004	1.1800e-003	0.0000	37.1919	37.1919	0.0120	0.0000	37.4926

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4900e-003	0.0895	0.0994	1.9000e-004		3.2800e-003	3.2800e-003		3.0200e-003	3.0200e-003	0.0000	16.8345	16.8345	5.4400e-003	0.0000	16.9706
Total	8.4900e-003	0.0895	0.0994	1.9000e-004	6.3600e-003	3.2800e-003	9.6400e-003	6.9000e-004	3.0200e-003	3.7100e-003	0.0000	16.8345	16.8345	5.4400e-003	0.0000	16.9706

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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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					0.0196	0.0000	0.0196	1.0700e-003	0.0000	1.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.0521	0.6731	9.8000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	86.2791	86.2791	0.0279	0.0000	86.9767
Total	0.0120	0.0521	0.6731	9.8000e-004	0.0196	1.6000e-003	0.0212	1.0700e-003	1.6000e-003	2.6700e-003	0.0000	86.2791	86.2791	0.0279	0.0000	86.9767

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Grading - 2027

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
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Category	tons/yr										MT/yr					
Fugitive Dust					0.0504	0.0000	0.0504	5.5100e-003	0.0000	5.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0653	0.6099	0.9530	1.6800e-003		0.0246	0.0246		0.0226	0.0226	0.0000	147.1822	147.1822	0.0476	0.0000	148.3723
Total	0.0653	0.6099	0.9530	1.6800e-003	0.0504	0.0246	0.0749	5.5100e-003	0.0226	0.0281	0.0000	147.1822	147.1822	0.0476	0.0000	148.3723

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					0.0196	0.0000	0.0196	1.0700e-003	0.0000	1.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.0890	1.1482	1.6800e-003		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	147.1820	147.1820	0.0476	0.0000	148.3721

Total	0.0205	0.0890	1.1482	1.6800e-003	0.0196	2.7400e-003	0.0224	1.0700e-003	2.7400e-003	3.8100e-003	0.0000	147.1820	147.1820	0.0476	0.0000	148.3721
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Trenching - 2027

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	0.0369	0.3148	0.6190	9.7000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	84.8422	84.8422	0.0214	0.0000	85.3760
Total	0.0369	0.3148	0.6190	9.7000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	84.8422	84.8422	0.0214	0.0000	85.3760

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0113	0.0491	0.6990	9.7000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	84.8421	84.8421	0.0214	0.0000	85.3759
Total	0.0113	0.0491	0.6990	9.7000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	84.8421	84.8421	0.0214	0.0000	85.3759

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					

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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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	1.3700e-003	5.9400e-003	0.0845	4.2000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	10.1365	10.1365	2.6600e-003	0.0000	10.2030
Total	1.3700e-003	5.9400e-003	0.0845	4.2000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	10.1365	10.1365	2.6600e-003	0.0000	10.2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Building Construction - 2028

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	0.0337	0.2806	0.3713	6.3000e-004		0.0117	0.0117		0.0113	0.0113	0.0000	53.0464	53.0464	7.2300e-003	0.0000	53.2270
Total	0.0337	0.2806	0.3713	6.3000e-004		0.0117	0.0117		0.0113	0.0113	0.0000	53.0464	53.0464	7.2300e-003	0.0000	53.2270

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	2.0300e-003	8.8200e-003	0.1255	6.3000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	15.0571	15.0571	3.9500e-003	0.0000	15.1559
Total	2.0300e-003	8.8200e-003	0.1255	6.3000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	15.0571	15.0571	3.9500e-003	0.0000	15.1559

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1935	0.3311	5.3000e-004		7.3300e-003	7.3300e-003		7.2600e-003	7.2600e-003	0.0000	46.1122	46.1122	6.2600e-003	0.0000	46.2688
Total	0.1603	0.1935	0.3311	5.3000e-004		7.3300e-003	7.3300e-003		7.2600e-003	7.2600e-003	0.0000	46.1122	46.1122	6.2600e-003	0.0000	46.2688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	5.3000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1355	0.0000	0.0000	5.3000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

3.8 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.9200e-003	0.0870	0.1406	2.1000e-004		3.7700e-003	3.7700e-003		3.4800e-003	3.4800e-003	0.0000	17.8983	17.8983	5.7100e-003	0.0000	18.0411
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.9200e-003	0.0870	0.1406	2.1000e-004		3.7700e-003	3.7700e-003		3.4800e-003	3.4800e-003	0.0000	17.8983	17.8983	5.7100e-003	0.0000	18.0411

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

El Paseo Site - Operational - Santa Clara County, Annual

El Paseo Site - Operational
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	88.79	1000sqft	2.04	88,790.00	0
Parking Lot	42.00	Space	0.00	16,800.00	0
Enclosed Parking with Elevator	1,244.00	Space	0.00	475,444.00	0
Apartments Mid Rise	775.00	Dwelling Unit	7.13	783,459.00	2217

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E 2018 Rate

Land Use - Based on PD and construction worksheet. Residential = 398+377 (402,451+381,008). Retail = 13,460+16,960+58,370. Parking = 765+242+237 (300,000+96,244+79,200). Lot = 42 spaces.

Construction Phase - Op run, no const

Off-road Equipment - Op run, no const

Trips and VMT - Op run, no Const

Vehicle Trips - Based on traffic trip gen rates with reductions. Res = 3.63, 3.49, 3.20. Retail = 26.02, 24.68, 11.99.

Vehicle Emission Factors - EMFAC2017 Santa Clara County Emissions Factors 2030

Vehicle Emission Factors -

Woodstoves - No Hearts

Energy Use -

Water And Wastewater - All wastewater treatment at SJ Plant

Stationary Sources - Emergency Generators and Fire Pumps - El Paseo site - two 550-kw, 737-hp and one 80-kw, 107-hp diesel generators, 50 hrs/yr

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	PhaseEndDate	9/13/2024	9/2/2024
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	116.25	0.00
tblFireplaces	NumberNoFireplace	31.00	0.00
tblFireplaces	NumberWood	131.75	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.62	0.60
tblFleetMix	LDA	0.62	0.60
tblFleetMix	LDA	0.62	0.60
tblFleetMix	LDA	0.62	0.60
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.17

tbIFleetMix	LDT2	0.18	0.17
tbIFleetMix	LDT2	0.18	0.17
tbIFleetMix	LDT2	0.18	0.17
tbIFleetMix	LHD1	0.01	0.02
tbIFleetMix	LHD1	0.01	0.02
tbIFleetMix	LHD1	0.01	0.02
tbIFleetMix	LHD1	0.01	0.02
tbIFleetMix	LHD2	5.0600e-003	5.5563e-003
tbIFleetMix	LHD2	5.0600e-003	5.5563e-003
tbIFleetMix	LHD2	5.0600e-003	5.5563e-003
tbIFleetMix	LHD2	5.0600e-003	5.5563e-003
tbIFleetMix	MCY	5.1220e-003	4.7803e-003
tbIFleetMix	MCY	5.1220e-003	4.7803e-003
tbIFleetMix	MCY	5.1220e-003	4.7803e-003
tbIFleetMix	MCY	5.1220e-003	4.7803e-003
tbIFleetMix	MDV	0.10	0.11
tbIFleetMix	MDV	0.10	0.11
tbIFleetMix	MDV	0.10	0.11
tbIFleetMix	MDV	0.10	0.11
tbIFleetMix	MH	6.5100e-004	7.2763e-004
tbIFleetMix	MH	6.5100e-004	7.2763e-004
tbIFleetMix	MH	6.5100e-004	7.2763e-004
tbIFleetMix	MH	6.5100e-004	7.2763e-004
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	OBUS	2.2210e-003	1.4429e-003
tbIFleetMix	OBUS	2.2210e-003	1.4429e-003
tbIFleetMix	OBUS	2.2210e-003	1.4429e-003

tblFleetMix	OBUS	2.2210e-003	1.4429e-003
tblFleetMix	SBUS	6.4600e-004	9.0041e-004
tblFleetMix	SBUS	6.4600e-004	9.0041e-004
tblFleetMix	SBUS	6.4600e-004	9.0041e-004
tblFleetMix	SBUS	6.4600e-004	9.0041e-004
tblFleetMix	UBUS	1.4700e-003	1.1782e-003
tblFleetMix	UBUS	1.4700e-003	1.1782e-003
tblFleetMix	UBUS	1.4700e-003	1.1782e-003
tblFleetMix	UBUS	1.4700e-003	1.1782e-003
tblLandUse	LandUseSquareFeet	497,600.00	475,444.00
tblLandUse	LandUseSquareFeet	775,000.00	783,459.00
tblLandUse	LotAcreage	0.38	0.00
tblLandUse	LotAcreage	11.20	0.00
tblLandUse	LotAcreage	20.39	7.13
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	737.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	107.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleEF	HHD	0.27	0.02
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.43	6.28
tblVehicleEF	HHD	0.94	0.41

tblVehicleEF	HHD	4.01	6.6850e-003
tblVehicleEF	HHD	4,037.05	930.05
tblVehicleEF	HHD	1,498.85	1,226.35
tblVehicleEF	HHD	12.27	0.05
tblVehicleEF	HHD	12.16	5.20
tblVehicleEF	HHD	1.59	2.52
tblVehicleEF	HHD	19.20	2.31
tblVehicleEF	HHD	3.6830e-003	2.1460e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.6600e-003	0.02
tblVehicleEF	HHD	1.3500e-004	1.0000e-006
tblVehicleEF	HHD	3.5230e-003	2.0530e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8550e-003	8.9050e-003
tblVehicleEF	HHD	5.4140e-003	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	1.0000e-006
tblVehicleEF	HHD	4.6010e-003	5.8000e-005
tblVehicleEF	HHD	0.37	0.42
tblVehicleEF	HHD	6.4000e-005	1.0000e-006
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	4.1900e-004	2.8400e-004
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	8.6530e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.8800e-004	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	1.0000e-006
tblVehicleEF	HHD	4.6010e-003	5.8000e-005
tblVehicleEF	HHD	0.43	0.49

tblVehicleEF	HHD	6.4000e-005	1.0000e-006
tblVehicleEF	HHD	0.15	0.07
tblVehicleEF	HHD	4.1900e-004	2.8400e-004
tblVehicleEF	HHD	0.08	2.0000e-006
tblVehicleEF	LDA	1.8990e-003	9.5900e-004
tblVehicleEF	LDA	2.1050e-003	0.03
tblVehicleEF	LDA	0.33	0.41
tblVehicleEF	LDA	0.63	1.72
tblVehicleEF	LDA	181.37	199.86
tblVehicleEF	LDA	42.51	42.17
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	1.1470e-003	9.2900e-004
tblVehicleEF	LDA	1.8260e-003	1.2750e-003
tblVehicleEF	LDA	1.0560e-003	8.5500e-004
tblVehicleEF	LDA	1.6790e-003	1.1720e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	4.7560e-003	3.2470e-003
tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	0.03	0.12
tblVehicleEF	LDA	1.8150e-003	9.0000e-005
tblVehicleEF	LDA	4.3500e-004	0.00
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	6.9190e-003	4.7160e-003
tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	0.03	0.13

tbIVehicleEF	LDT1	3.6800e-003	1.6710e-003
tbIVehicleEF	LDT1	4.5270e-003	0.04
tbIVehicleEF	LDT1	0.55	0.54
tbIVehicleEF	LDT1	1.12	1.85
tbIVehicleEF	LDT1	233.07	241.46
tbIVehicleEF	LDT1	54.62	51.55
tbIVehicleEF	LDT1	0.05	0.03
tbIVehicleEF	LDT1	0.06	0.15
tbIVehicleEF	LDT1	1.4520e-003	1.0700e-003
tbIVehicleEF	LDT1	2.1870e-003	1.4610e-003
tbIVehicleEF	LDT1	1.3350e-003	9.8400e-004
tbIVehicleEF	LDT1	2.0110e-003	1.3440e-003
tbIVehicleEF	LDT1	0.05	0.05
tbIVehicleEF	LDT1	0.12	0.09
tbIVehicleEF	LDT1	0.04	0.04
tbIVehicleEF	LDT1	9.1170e-003	6.5000e-003
tbIVehicleEF	LDT1	0.09	0.36
tbIVehicleEF	LDT1	0.06	0.15
tbIVehicleEF	LDT1	2.3350e-003	2.5670e-003
tbIVehicleEF	LDT1	5.6500e-004	0.00
tbIVehicleEF	LDT1	0.05	0.05
tbIVehicleEF	LDT1	0.12	0.09
tbIVehicleEF	LDT1	0.04	0.04
tbIVehicleEF	LDT1	0.01	9.4830e-003
tbIVehicleEF	LDT1	0.09	0.36
tbIVehicleEF	LDT1	0.07	0.17
tbIVehicleEF	LDT2	2.9960e-003	1.7260e-003
tbIVehicleEF	LDT2	3.1970e-003	0.04
tbIVehicleEF	LDT2	0.49	0.56
tbIVehicleEF	LDT2	0.89	2.29

tbIVehicleEF	LDT2	264.16	249.80
tbIVehicleEF	LDT2	61.38	53.79
tbIVehicleEF	LDT2	0.04	0.03
tbIVehicleEF	LDT2	0.05	0.17
tbIVehicleEF	LDT2	1.3060e-003	1.0250e-003
tbIVehicleEF	LDT2	2.0190e-003	1.3400e-003
tbIVehicleEF	LDT2	1.2010e-003	9.4400e-004
tbIVehicleEF	LDT2	1.8570e-003	1.2320e-003
tbIVehicleEF	LDT2	0.03	0.05
tbIVehicleEF	LDT2	0.07	0.09
tbIVehicleEF	LDT2	0.03	0.05
tbIVehicleEF	LDT2	7.4390e-003	6.5530e-003
tbIVehicleEF	LDT2	0.06	0.34
tbIVehicleEF	LDT2	0.04	0.18
tbIVehicleEF	LDT2	2.6450e-003	9.4800e-003
tbIVehicleEF	LDT2	6.2800e-004	8.5000e-005
tbIVehicleEF	LDT2	0.03	0.05
tbIVehicleEF	LDT2	0.07	0.09
tbIVehicleEF	LDT2	0.03	0.05
tbIVehicleEF	LDT2	0.01	9.5240e-003
tbIVehicleEF	LDT2	0.06	0.34
tbIVehicleEF	LDT2	0.05	0.20
tbIVehicleEF	LHD1	3.9820e-003	4.1480e-003
tbIVehicleEF	LHD1	8.6490e-003	5.1950e-003
tbIVehicleEF	LHD1	0.01	9.0230e-003
tbIVehicleEF	LHD1	0.14	0.18
tbIVehicleEF	LHD1	0.61	0.47
tbIVehicleEF	LHD1	1.67	0.89
tbIVehicleEF	LHD1	8.93	8.25
tbIVehicleEF	LHD1	641.43	698.55

tblVehicleEF	LHD1	26.94	10.09
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.53	0.30
tblVehicleEF	LHD1	0.67	0.23
tblVehicleEF	LHD1	7.8900e-004	9.1500e-004
tblVehicleEF	LHD1	0.01	9.9010e-003
tblVehicleEF	LHD1	0.01	7.0190e-003
tblVehicleEF	LHD1	6.6500e-004	2.1000e-004
tblVehicleEF	LHD1	7.5500e-004	8.7500e-004
tblVehicleEF	LHD1	2.6030e-003	2.4750e-003
tblVehicleEF	LHD1	9.7020e-003	6.6710e-003
tblVehicleEF	LHD1	6.1100e-004	1.9300e-004
tblVehicleEF	LHD1	1.8620e-003	1.4030e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	1.0210e-003	7.7200e-004
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.26	0.43
tblVehicleEF	LHD1	0.15	0.04
tblVehicleEF	LHD1	8.9000e-005	8.0000e-005
tblVehicleEF	LHD1	6.2670e-003	6.8120e-003
tblVehicleEF	LHD1	3.0000e-004	1.0000e-004
tblVehicleEF	LHD1	1.8620e-003	1.4030e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0210e-003	7.7200e-004
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.26	0.43
tblVehicleEF	LHD1	0.16	0.05
tblVehicleEF	LHD2	2.5430e-003	2.5050e-003

tblVehicleEF	LHD2	5.3180e-003	5.3390e-003
tblVehicleEF	LHD2	3.2330e-003	4.8110e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.45	0.49
tblVehicleEF	LHD2	0.88	0.48
tblVehicleEF	LHD2	13.62	13.00
tblVehicleEF	LHD2	675.95	679.81
tblVehicleEF	LHD2	21.83	6.44
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.22	0.38
tblVehicleEF	LHD2	0.26	0.12
tblVehicleEF	LHD2	1.0460e-003	1.5020e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3120e-003	0.01
tblVehicleEF	LHD2	3.7400e-004	1.0600e-004
tblVehicleEF	LHD2	1.0000e-003	1.4370e-003
tblVehicleEF	LHD2	2.7080e-003	2.7110e-003
tblVehicleEF	LHD2	8.8860e-003	0.01
tblVehicleEF	LHD2	3.4400e-004	9.8000e-005
tblVehicleEF	LHD2	5.1500e-004	6.4200e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.0800e-004	3.7400e-004
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.04	0.14
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	1.3300e-004	1.2400e-004
tblVehicleEF	LHD2	6.5670e-003	6.5570e-003
tblVehicleEF	LHD2	2.3300e-004	6.4000e-005
tblVehicleEF	LHD2	5.1500e-004	6.4200e-004

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.0800e-004	3.7400e-004
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	0.04	0.14
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	MCY	0.46	0.32
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	17.52	17.61
tblVehicleEF	MCY	10.34	9.20
tblVehicleEF	MCY	171.38	209.76
tblVehicleEF	MCY	42.85	59.23
tblVehicleEF	MCY	1.14	1.14
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	2.1570e-003	2.1380e-003
tblVehicleEF	MCY	3.3210e-003	2.8620e-003
tblVehicleEF	MCY	2.0120e-003	1.9940e-003
tblVehicleEF	MCY	3.1070e-003	2.6760e-003
tblVehicleEF	MCY	0.88	1.79
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	0.46	0.95
tblVehicleEF	MCY	2.12	2.13
tblVehicleEF	MCY	0.46	1.49
tblVehicleEF	MCY	2.11	1.88
tblVehicleEF	MCY	2.0640e-003	2.0760e-003
tblVehicleEF	MCY	6.5900e-004	5.8600e-004
tblVehicleEF	MCY	0.88	1.79
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	0.46	0.95
tblVehicleEF	MCY	2.66	2.67

tblVehicleEF	MCY	0.46	1.49
tblVehicleEF	MCY	2.30	2.04
tblVehicleEF	MDV	5.1180e-003	1.7720e-003
tblVehicleEF	MDV	7.2260e-003	0.04
tblVehicleEF	MDV	0.68	0.55
tblVehicleEF	MDV	1.51	2.32
tblVehicleEF	MDV	358.67	301.13
tblVehicleEF	MDV	82.28	63.46
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.11	0.18
tblVehicleEF	MDV	1.3880e-003	1.0340e-003
tblVehicleEF	MDV	2.0820e-003	1.3440e-003
tblVehicleEF	MDV	1.2780e-003	9.5400e-004
tblVehicleEF	MDV	1.9150e-003	1.2360e-003
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.01	6.8870e-003
tblVehicleEF	MDV	0.09	0.34
tblVehicleEF	MDV	0.10	0.20
tblVehicleEF	MDV	3.5870e-003	2.9760e-003
tblVehicleEF	MDV	8.4800e-004	6.2800e-004
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.02	9.9830e-003
tblVehicleEF	MDV	0.09	0.34
tblVehicleEF	MDV	0.11	0.22
tblVehicleEF	MH	8.2310e-003	5.0270e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	0.45	0.31
tblVehicleEF	MH	3.72	1.64
tblVehicleEF	MH	1,184.19	1,350.27
tblVehicleEF	MH	56.79	15.54
tblVehicleEF	MH	0.84	1.06
tblVehicleEF	MH	0.62	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	8.8300e-004	2.1200e-004
tblVehicleEF	MH	3.2210e-003	3.2970e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	8.1200e-004	1.9500e-004
tblVehicleEF	MH	0.46	0.35
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	0.18	0.14
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	0.01	0.54
tblVehicleEF	MH	0.22	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3200e-004	1.5400e-004
tblVehicleEF	MH	0.46	0.35
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	0.18	0.14
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.01	0.54
tblVehicleEF	MH	0.24	0.08
tblVehicleEF	MHD	0.02	3.8320e-003
tblVehicleEF	MHD	2.7470e-003	1.0340e-003
tblVehicleEF	MHD	0.03	8.3830e-003
tblVehicleEF	MHD	0.37	0.41

tbIVehicleEF	MHD	0.25	0.15
tbIVehicleEF	MHD	3.74	0.87
tbIVehicleEF	MHD	131.96	65.10
tbIVehicleEF	MHD	1,167.79	993.45
tbIVehicleEF	MHD	59.45	8.55
tbIVehicleEF	MHD	0.34	0.34
tbIVehicleEF	MHD	1.04	1.43
tbIVehicleEF	MHD	9.99	1.69
tbIVehicleEF	MHD	5.2000e-005	1.6200e-004
tbIVehicleEF	MHD	3.0080e-003	7.0060e-003
tbIVehicleEF	MHD	8.2100e-004	1.1200e-004
tbIVehicleEF	MHD	5.0000e-005	1.5500e-004
tbIVehicleEF	MHD	2.8710e-003	6.6960e-003
tbIVehicleEF	MHD	7.5400e-004	1.0300e-004
tbIVehicleEF	MHD	6.4300e-004	2.8900e-004
tbIVehicleEF	MHD	0.03	0.01
tbIVehicleEF	MHD	0.02	0.02
tbIVehicleEF	MHD	3.8200e-004	1.6800e-004
tbIVehicleEF	MHD	0.04	0.01
tbIVehicleEF	MHD	0.02	0.07
tbIVehicleEF	MHD	0.23	0.04
tbIVehicleEF	MHD	1.2710e-003	6.1800e-004
tbIVehicleEF	MHD	0.01	9.4800e-003
tbIVehicleEF	MHD	6.6000e-004	8.5000e-005
tbIVehicleEF	MHD	6.4300e-004	2.8900e-004
tbIVehicleEF	MHD	0.03	0.01
tbIVehicleEF	MHD	0.03	0.03
tbIVehicleEF	MHD	3.8200e-004	1.6800e-004
tbIVehicleEF	MHD	0.05	0.01
tbIVehicleEF	MHD	0.02	0.07

tblVehicleEF	MHD	0.25	0.05
tblVehicleEF	OBUS	0.01	7.0980e-003
tblVehicleEF	OBUS	4.0840e-003	2.1970e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.64
tblVehicleEF	OBUS	0.30	0.26
tblVehicleEF	OBUS	4.08	1.58
tblVehicleEF	OBUS	110.55	97.36
tblVehicleEF	OBUS	1,272.30	1,210.85
tblVehicleEF	OBUS	64.94	13.46
tblVehicleEF	OBUS	0.24	0.43
tblVehicleEF	OBUS	0.85	1.45
tblVehicleEF	OBUS	2.74	1.13
tblVehicleEF	OBUS	2.2000e-005	1.4200e-004
tblVehicleEF	OBUS	2.8340e-003	7.8820e-003
tblVehicleEF	OBUS	9.3800e-004	1.5600e-004
tblVehicleEF	OBUS	2.1000e-005	1.3600e-004
tblVehicleEF	OBUS	2.6900e-003	7.5260e-003
tblVehicleEF	OBUS	8.6200e-004	1.4400e-004
tblVehicleEF	OBUS	1.1660e-003	1.0620e-003
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	5.3200e-004	4.8700e-004
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.03	0.18
tblVehicleEF	OBUS	0.26	0.08
tblVehicleEF	OBUS	1.0660e-003	9.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.2100e-004	1.3300e-004
tblVehicleEF	OBUS	1.1660e-003	1.0620e-003

tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	5.3200e-004	4.8700e-004
tblVehicleEF	OBUS	0.05	0.02
tblVehicleEF	OBUS	0.03	0.18
tblVehicleEF	OBUS	0.28	0.08
tblVehicleEF	SBUS	0.81	0.07
tblVehicleEF	SBUS	7.6490e-003	4.4040e-003
tblVehicleEF	SBUS	0.06	6.3380e-003
tblVehicleEF	SBUS	8.87	2.93
tblVehicleEF	SBUS	0.48	0.37
tblVehicleEF	SBUS	7.57	0.86
tblVehicleEF	SBUS	1,023.58	337.48
tblVehicleEF	SBUS	1,008.60	970.50
tblVehicleEF	SBUS	61.81	5.06
tblVehicleEF	SBUS	4.35	2.71
tblVehicleEF	SBUS	1.72	3.09
tblVehicleEF	SBUS	10.76	1.18
tblVehicleEF	SBUS	2.1870e-003	2.0480e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	8.4940e-003	0.02
tblVehicleEF	SBUS	1.1020e-003	6.8000e-005
tblVehicleEF	SBUS	2.0920e-003	1.9600e-003
tblVehicleEF	SBUS	2.5880e-003	2.6690e-003
tblVehicleEF	SBUS	8.1060e-003	0.02
tblVehicleEF	SBUS	1.0130e-003	6.2000e-005
tblVehicleEF	SBUS	3.7080e-003	8.7000e-004
tblVehicleEF	SBUS	0.03	8.3040e-003
tblVehicleEF	SBUS	1.05	0.32
tblVehicleEF	SBUS	1.7580e-003	4.1400e-004

tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.2190e-003
tblVehicleEF	SBUS	9.7440e-003	9.2880e-003
tblVehicleEF	SBUS	7.4900e-004	5.0000e-005
tblVehicleEF	SBUS	3.7080e-003	8.7000e-004
tblVehicleEF	SBUS	0.03	8.3040e-003
tblVehicleEF	SBUS	1.53	0.46
tblVehicleEF	SBUS	1.7580e-003	4.1400e-004
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	0.23	1.86
tblVehicleEF	UBUS	0.05	2.1860e-003
tblVehicleEF	UBUS	3.04	14.11
tblVehicleEF	UBUS	7.59	0.14
tblVehicleEF	UBUS	1,937.16	1,668.67
tblVehicleEF	UBUS	126.43	1.40
tblVehicleEF	UBUS	4.75	0.71
tblVehicleEF	UBUS	13.02	0.02
tblVehicleEF	UBUS	0.54	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.10	5.1160e-003
tblVehicleEF	UBUS	1.3960e-003	1.5000e-005
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	8.3320e-003
tblVehicleEF	UBUS	0.10	4.8930e-003
tblVehicleEF	UBUS	1.2840e-003	1.4000e-005
tblVehicleEF	UBUS	2.5990e-003	6.1000e-005

tblVehicleEF	UBUS	0.04	8.1400e-004
tblVehicleEF	UBUS	1.5170e-003	3.6000e-005
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	9.4350e-003	4.9280e-003
tblVehicleEF	UBUS	0.65	9.2610e-003
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.4020e-003	1.4000e-005
tblVehicleEF	UBUS	2.5990e-003	6.1000e-005
tblVehicleEF	UBUS	0.04	8.1400e-004
tblVehicleEF	UBUS	1.5170e-003	3.6000e-005
tblVehicleEF	UBUS	0.48	1.90
tblVehicleEF	UBUS	9.4350e-003	4.9280e-003
tblVehicleEF	UBUS	0.71	0.01
tblVehicleTrips	ST_TR	6.39	3.49
tblVehicleTrips	ST_TR	42.04	24.68
tblVehicleTrips	SU_TR	5.86	3.20
tblVehicleTrips	SU_TR	20.43	11.99
tblVehicleTrips	WD_TR	6.65	3.63
tblVehicleTrips	WD_TR	44.32	26.02
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	15.50	0.00
tblWoodstoves	NumberNoncatalytic	15.50	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.2193	0.0663	5.7518	3.0000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	9.4244	9.4244	9.0200e-003	0.0000	9.6499
Energy	0.0372	0.3188	0.1400	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	1,017.0623	1,017.0623	0.0984	0.0257	1,027.16
Mobile	1.2266	1.9684	9.7750	0.0298	3.5719	0.0220	3.5938	0.9557	0.0206	0.9762	0.0000	2,752.3834	2,752.3834	0.1174	0.0000	2,755.32
Stationary	0.0649	0.1813	0.1701	3.1000e-004		9.5400e-003	9.5400e-003		9.5400e-003	9.5400e-003	0.0000	30.1020	30.1020	4.2200e-003	0.0000	30.2075
Waste						0.0000	0.0000		0.0000	0.0000	91.2911	0.0000	91.2911	5.3952	0.0000	226.1699
Water						0.0000	0.0000		0.0000	0.0000	20.1919	40.5846	60.7765	0.0752	0.0451	76.0944
Total	5.548	2.5348	15.8369	0.0325	3.5719	0.0892	3.661	0.9557	0.0878	1.0435	111.4830	3,849.5567	3,961.0397	5.6993	0.0707	4,124.6028

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
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Category	tons/yr										MT/yr					
	Area	4.2193	0.0663	5.7518	3.0000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	9.4244	9.4244	9.0200e-003	0.0000
Energy	0.0372	0.3188	0.1400	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	1,017.0623	1,017.0623	0.0984	0.0257	1,027.1638
Mobile	1.2266	1.9684	9.7750	0.0298	3.5719	0.0220	3.5938	0.9557	0.0206	0.9762	0.0000	2,752.3834	2,752.3834	0.1174	0.0000	2,755.3173
Stationary	0.0649	0.1813	0.1701	3.1000e-004		9.5400e-003	9.5400e-003		9.5400e-003	9.5400e-003	0.0000	30.1020	30.1020	4.2200e-003	0.0000	30.2075
Waste						0.0000	0.0000		0.0000	0.0000	91.2911	0.0000	91.2911	5.3952	0.0000	226.1699
Water						0.0000	0.0000		0.0000	0.0000	20.1919	40.5846	60.7765	0.0752	0.0451	76.0944
Total	5.5480	2.5348	15.8369	0.0325	3.5719	0.0892	3.6610	0.9557	0.0878	1.0435	111.4830	3,849.5567	3,961.0397	5.6993	0.0707	4,124.6028

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2266	1.9684	9.7750	0.0298	3.5719	0.0220	3.5938	0.9557	0.0206	0.9762	0.0000	2,752.3834	2,752.3834	0.1174	0.0000	2,755.3173
Unmitigated	1.2266	1.9684	9.7750	0.0298	3.5719	0.0220	3.5938	0.9557	0.0206	0.9762	0.0000	2,752.3834	2,752.3834	0.1174	0.0000	2,755.3173

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,813.25	2,704.75	2480.00	6,351,750	6,351,750
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	2,310.32	2,191.34	1064.59	3,257,722	3,257,722
Total	5,123.57	4,896.09	3,544.59	9,609,472	9,609,472

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	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
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.595423	0.053963	0.171400	0.106522	0.021043	0.005556	0.013639	0.023425	0.001443	0.001178	0.004780	0.000900	0.000728
Enclosed Parking with Elevator	0.595423	0.053963	0.171400	0.106522	0.021043	0.005556	0.013639	0.023425	0.001443	0.001178	0.004780	0.000900	0.000728
Parking Lot	0.595423	0.053963	0.171400	0.106522	0.021043	0.005556	0.013639	0.023425	0.001443	0.001178	0.004780	0.000900	0.000728
Strip Mall	0.595423	0.053963	0.171400	0.106522	0.021043	0.005556	0.013639	0.023425	0.001443	0.001178	0.004780	0.000900	0.000728

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	0.0000	648.5316	648.5316	0.0913	0.0189	656.4430
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.0000	648.5316	648.5316	0.0913	0.0189	656.4430
NaturalGas Mitigated	0.0372	0.3188	0.1400	2.0300e-003			0.0257	0.0257		0.0257	0.0257	0.0000	368.5308	368.5308	7.0600e-003	6.7600e-003	370.7208
NaturalGas Unmitigated	0.0372	0.3188	0.1400	2.0300e-003			0.0257	0.0257		0.0257	0.0257	0.0000	368.5308	368.5308	7.0600e-003	6.7600e-003	370.7208

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					
Apartments Mid Rise	6.69557e+006	0.0361	0.3085	0.1313	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	357.3013	357.3013	6.8500e-003	6.5500e-003	359.4246
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	210432	1.1300e-003	0.0103	8.6600e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.2295	11.2295	2.2000e-004	2.1000e-004	11.2962
Total		0.0372	0.3188	0.1400	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.5308	368.5308	7.0700e-003	6.7600e-003	370.7208

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					

Apartments Mid Rise	6.69557e+006	0.0361	0.3085	0.1313	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	357.3013	357.3013	6.8500e-003	6.5500e-003	359.4246
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	210432	1.1300e-003	0.0103	8.6600e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.2295	11.2295	2.2000e-004	2.1000e-004	11.2962
Total		0.0372	0.3188	0.1400	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.5308	368.5308	7.0700e-003	6.7600e-003	370.7208

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.19947e+006	298.9587	0.0421	8.7100e-003	302.6057
Enclosed Parking with Elevator	2.7861e+006	260.3334	0.0367	7.5800e-003	263.5093
Parking Lot	5880	0.5494	8.0000e-005	2.0000e-005	0.5561
Strip Mall	949165	88.6900	0.0125	2.5800e-003	89.7720
Total		648.5316	0.0913	0.0189	656.4430

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.19947e+006	298.9587	0.0421	8.7100e-003	302.6057

Consumer Products	3.4384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1728	0.0663	5.7518	3.0000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	9.4244	9.4244	9.0200e-003	0.0000	9.6499
Total	4.2193	0.0663	5.7518	3.0000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	9.4244	9.4244	9.0200e-003	0.0000	9.6499

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	0.6081					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.4384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1728	0.0663	5.7518	3.0000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	9.4244	9.4244	9.0200e-003	0.0000	9.6499
Total	4.2193	0.0663	5.7518	3.0000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	9.4244	9.4244	9.0200e-003	0.0000	9.6499

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			

Mitigated	60.7765	0.0752	0.0451	76.0944
Unmitigated	60.7765	0.0752	0.0451	76.0944

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	50.4944 / 31.8334	53.8059	0.0666	0.0399	67.3591
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	6.5769 / 4.031	6.9705	8.6600e-003	5.2000e-003	8.7354
Total		60.7765	0.0752	0.0451	76.0944

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	50.4944 / 31.8334	53.8059	0.0666	0.0399	67.3591
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000

Strip Mall	6.5769 / 4.031	6.9705	8.6600e- 003	5.2000e- 003	8.7354
Total		60.7765	0.0752	0.0451	76.0944

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	91.2911	5.3952	0.0000	226.1699
Unmitigated	91.2911	5.3952	0.0000	226.1699

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	356.5	72.3663	4.2767	0.0000	179.2844
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000

Strip Mall	93.23	18.9249	1.1184	0.0000	46.8855
Total		91.2911	5.3952	0.0000	226.1699

Mitigated

Land Use	Waste Disposed tons	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Apartments Mid Rise	356.5	72.3663	4.2767	0.0000	179.2844
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	93.23	18.9249	1.1184	0.0000	46.8855
Total		91.2911	5.3952	0.0000	226.1699

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
Emergency Generator	2	0	50	737	0.73	Diesel
Emergency Generator	1	0	50	107	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (100 - 175 HP)	4.3900e-003	0.0123	0.0159	2.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	2.0373	2.0373	2.9000e-004	0.0000	2.0444
Emergency Generator - Diesel (600 - 750 HP)	0.0605	0.1690	0.1542	2.9000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	28.0648	28.0648	3.9300e-003	0.0000	28.1631
Total	0.0649	0.1813	0.1701	3.1000e-004		9.5500e-003	9.5500e-003		9.5500e-003	9.5500e-003	0.0000	30.1020	30.1020	4.2200e-003	0.0000	30.2075

11.0 Vegetation

Saratoga Site - Operational - Santa Clara County, Annual

Saratoga Site - Operational
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	279.00	Dwelling Unit	1.72	231,000.00	798
Parking Lot	5.00	Space	0.00	810.00	0
Enclosed Parking with Elevator	116.00	Space	0.00	64,226.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - PG&E 2018 Rate
- Land Use - Based on PD and construction worksheet.
- Construction Phase - Op run, no const
- Off-road Equipment - Op run, no const
- Trips and VMT - Op run, no Const
- Vehicle Trips - Based on traffic trip gen rates with reductions. Res = 2.09, 1.67, 1.86.
- Vehicle Emission Factors - EMFAC2017 Santa Clara County Emissions Factors 2030

Vehicle Emission Factors -

Woodstoves - No Hearts

Energy Use -

Water And Wastewater - All wastewater treatment at SJ Plant

Stationary Sources - Emergency Generators and Fire Pumps - Saratoga site - one 500-kw, 670-hp diesel generators, 50 hrs/yr

Stationary Sources - Emergency Generators and Fire Pumps EF -

Grading - Op run, no Const

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	PhaseEndDate	3/3/2026	3/2/2026
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	41.85	0.00
tblFireplaces	NumberNoFireplace	11.16	0.00
tblFireplaces	NumberWood	47.43	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.62	0.60
tblFleetMix	LDA	0.62	0.60
tblFleetMix	LDA	0.62	0.60
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.01	0.02

tblFleetMix	LHD1	0.01	0.02
tblFleetMix	LHD1	0.01	0.02
tblFleetMix	LHD2	5.0600e-003	5.5563e-003
tblFleetMix	LHD2	5.0600e-003	5.5563e-003
tblFleetMix	LHD2	5.0600e-003	5.5563e-003
tblFleetMix	MCY	5.1220e-003	4.7803e-003
tblFleetMix	MCY	5.1220e-003	4.7803e-003
tblFleetMix	MCY	5.1220e-003	4.7803e-003
tblFleetMix	MDV	0.10	0.11
tblFleetMix	MDV	0.10	0.11
tblFleetMix	MDV	0.10	0.11
tblFleetMix	MH	6.5100e-004	7.2763e-004
tblFleetMix	MH	6.5100e-004	7.2763e-004
tblFleetMix	MH	6.5100e-004	7.2763e-004
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	2.2210e-003	1.4429e-003
tblFleetMix	OBUS	2.2210e-003	1.4429e-003
tblFleetMix	OBUS	2.2210e-003	1.4429e-003
tblFleetMix	SBUS	6.4600e-004	9.0041e-004
tblFleetMix	SBUS	6.4600e-004	9.0041e-004
tblFleetMix	SBUS	6.4600e-004	9.0041e-004
tblFleetMix	UBUS	1.4700e-003	1.1782e-003
tblFleetMix	UBUS	1.4700e-003	1.1782e-003
tblFleetMix	UBUS	1.4700e-003	1.1782e-003
tblLandUse	LandUseSquareFeet	279,000.00	231,000.00
tblLandUse	LandUseSquareFeet	2,000.00	810.00
tblLandUse	LandUseSquareFeet	46,400.00	64,226.00
tblLandUse	LotAcreage	17.44	1.72

tblLandUse	LotAcreage	0.05	0.00
tblLandUse	LotAcreage	1.04	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	670.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleEF	HHD	0.27	0.02
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.43	6.28
tblVehicleEF	HHD	0.94	0.41
tblVehicleEF	HHD	4.01	6.6850e-003
tblVehicleEF	HHD	4,037.05	930.05
tblVehicleEF	HHD	1,498.85	1,226.35
tblVehicleEF	HHD	12.27	0.05
tblVehicleEF	HHD	12.16	5.20
tblVehicleEF	HHD	1.59	2.52
tblVehicleEF	HHD	19.20	2.31
tblVehicleEF	HHD	3.6830e-003	2.1460e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.6600e-003	0.02

tbIVehicleEF	HHD	1.3500e-004	1.0000e-006
tbIVehicleEF	HHD	3.5230e-003	2.0530e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.8550e-003	8.9050e-003
tbIVehicleEF	HHD	5.4140e-003	0.02
tbIVehicleEF	HHD	1.2400e-004	1.0000e-006
tbIVehicleEF	HHD	1.0100e-004	1.0000e-006
tbIVehicleEF	HHD	4.6010e-003	5.8000e-005
tbIVehicleEF	HHD	0.37	0.42
tbIVehicleEF	HHD	6.4000e-005	1.0000e-006
tbIVehicleEF	HHD	0.08	0.02
tbIVehicleEF	HHD	4.1900e-004	2.8400e-004
tbIVehicleEF	HHD	0.07	2.0000e-006
tbIVehicleEF	HHD	0.04	8.6530e-003
tbIVehicleEF	HHD	0.01	0.01
tbIVehicleEF	HHD	1.8800e-004	1.0000e-006
tbIVehicleEF	HHD	1.0100e-004	1.0000e-006
tbIVehicleEF	HHD	4.6010e-003	5.8000e-005
tbIVehicleEF	HHD	0.43	0.49
tbIVehicleEF	HHD	6.4000e-005	1.0000e-006
tbIVehicleEF	HHD	0.15	0.07
tbIVehicleEF	HHD	4.1900e-004	2.8400e-004
tbIVehicleEF	HHD	0.08	2.0000e-006
tbIVehicleEF	LDA	1.8990e-003	9.5900e-004
tbIVehicleEF	LDA	2.1050e-003	0.03
tbIVehicleEF	LDA	0.33	0.41
tbIVehicleEF	LDA	0.63	1.72
tbIVehicleEF	LDA	181.37	199.86
tbIVehicleEF	LDA	42.51	42.17
tbIVehicleEF	LDA	0.03	0.02

tbIVehicleEF	LDA	0.03	0.13
tbIVehicleEF	LDA	1.1470e-003	9.2900e-004
tbIVehicleEF	LDA	1.8260e-003	1.2750e-003
tbIVehicleEF	LDA	1.0560e-003	8.5500e-004
tbIVehicleEF	LDA	1.6790e-003	1.1720e-003
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.06	0.06
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	4.7560e-003	3.2470e-003
tbIVehicleEF	LDA	0.03	0.17
tbIVehicleEF	LDA	0.03	0.12
tbIVehicleEF	LDA	1.8150e-003	9.0000e-005
tbIVehicleEF	LDA	4.3500e-004	0.00
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.06	0.06
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	6.9190e-003	4.7160e-003
tbIVehicleEF	LDA	0.03	0.17
tbIVehicleEF	LDA	0.03	0.13
tbIVehicleEF	LDT1	3.6800e-003	1.6710e-003
tbIVehicleEF	LDT1	4.5270e-003	0.04
tbIVehicleEF	LDT1	0.55	0.54
tbIVehicleEF	LDT1	1.12	1.85
tbIVehicleEF	LDT1	233.07	241.46
tbIVehicleEF	LDT1	54.62	51.55
tbIVehicleEF	LDT1	0.05	0.03
tbIVehicleEF	LDT1	0.06	0.15
tbIVehicleEF	LDT1	1.4520e-003	1.0700e-003
tbIVehicleEF	LDT1	2.1870e-003	1.4610e-003
tbIVehicleEF	LDT1	1.3350e-003	9.8400e-004

tbIVehicleEF	LDT1	2.0110e-003	1.3440e-003
tbIVehicleEF	LDT1	0.05	0.05
tbIVehicleEF	LDT1	0.12	0.09
tbIVehicleEF	LDT1	0.04	0.04
tbIVehicleEF	LDT1	9.1170e-003	6.5000e-003
tbIVehicleEF	LDT1	0.09	0.36
tbIVehicleEF	LDT1	0.06	0.15
tbIVehicleEF	LDT1	2.3350e-003	2.5670e-003
tbIVehicleEF	LDT1	5.6500e-004	0.00
tbIVehicleEF	LDT1	0.05	0.05
tbIVehicleEF	LDT1	0.12	0.09
tbIVehicleEF	LDT1	0.04	0.04
tbIVehicleEF	LDT1	0.01	9.4830e-003
tbIVehicleEF	LDT1	0.09	0.36
tbIVehicleEF	LDT1	0.07	0.17
tbIVehicleEF	LDT2	2.9960e-003	1.7260e-003
tbIVehicleEF	LDT2	3.1970e-003	0.04
tbIVehicleEF	LDT2	0.49	0.56
tbIVehicleEF	LDT2	0.89	2.29
tbIVehicleEF	LDT2	264.16	249.80
tbIVehicleEF	LDT2	61.38	53.79
tbIVehicleEF	LDT2	0.04	0.03
tbIVehicleEF	LDT2	0.05	0.17
tbIVehicleEF	LDT2	1.3060e-003	1.0250e-003
tbIVehicleEF	LDT2	2.0190e-003	1.3400e-003
tbIVehicleEF	LDT2	1.2010e-003	9.4400e-004
tbIVehicleEF	LDT2	1.8570e-003	1.2320e-003
tbIVehicleEF	LDT2	0.03	0.05
tbIVehicleEF	LDT2	0.07	0.09
tbIVehicleEF	LDT2	0.03	0.05

tblVehicleEF	LDT2	7.4390e-003	6.5530e-003
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.04	0.18
tblVehicleEF	LDT2	2.6450e-003	9.4800e-003
tblVehicleEF	LDT2	6.2800e-004	8.5000e-005
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.01	9.5240e-003
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.05	0.20
tblVehicleEF	LHD1	3.9820e-003	4.1480e-003
tblVehicleEF	LHD1	8.6490e-003	5.1950e-003
tblVehicleEF	LHD1	0.01	9.0230e-003
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.61	0.47
tblVehicleEF	LHD1	1.67	0.89
tblVehicleEF	LHD1	8.93	8.25
tblVehicleEF	LHD1	641.43	698.55
tblVehicleEF	LHD1	26.94	10.09
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.53	0.30
tblVehicleEF	LHD1	0.67	0.23
tblVehicleEF	LHD1	7.8900e-004	9.1500e-004
tblVehicleEF	LHD1	0.01	9.9010e-003
tblVehicleEF	LHD1	0.01	7.0190e-003
tblVehicleEF	LHD1	6.6500e-004	2.1000e-004
tblVehicleEF	LHD1	7.5500e-004	8.7500e-004
tblVehicleEF	LHD1	2.6030e-003	2.4750e-003
tblVehicleEF	LHD1	9.7020e-003	6.6710e-003

tbIVehicleEF	LHD1	6.1100e-004	1.9300e-004
tbIVehicleEF	LHD1	1.8620e-003	1.4030e-003
tbIVehicleEF	LHD1	0.08	0.05
tbIVehicleEF	LHD1	0.01	0.02
tbIVehicleEF	LHD1	1.0210e-003	7.7200e-004
tbIVehicleEF	LHD1	0.10	0.07
tbIVehicleEF	LHD1	0.26	0.43
tbIVehicleEF	LHD1	0.15	0.04
tbIVehicleEF	LHD1	8.9000e-005	8.0000e-005
tbIVehicleEF	LHD1	6.2670e-003	6.8120e-003
tbIVehicleEF	LHD1	3.0000e-004	1.0000e-004
tbIVehicleEF	LHD1	1.8620e-003	1.4030e-003
tbIVehicleEF	LHD1	0.08	0.05
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	1.0210e-003	7.7200e-004
tbIVehicleEF	LHD1	0.11	0.09
tbIVehicleEF	LHD1	0.26	0.43
tbIVehicleEF	LHD1	0.16	0.05
tbIVehicleEF	LHD2	2.5430e-003	2.5050e-003
tbIVehicleEF	LHD2	5.3180e-003	5.3390e-003
tbIVehicleEF	LHD2	3.2330e-003	4.8110e-003
tbIVehicleEF	LHD2	0.12	0.13
tbIVehicleEF	LHD2	0.45	0.49
tbIVehicleEF	LHD2	0.88	0.48
tbIVehicleEF	LHD2	13.62	13.00
tbIVehicleEF	LHD2	675.95	679.81
tbIVehicleEF	LHD2	21.83	6.44
tbIVehicleEF	LHD2	0.07	0.07
tbIVehicleEF	LHD2	0.22	0.38
tbIVehicleEF	LHD2	0.26	0.12

tbIVehicleEF	LHD2	1.0460e-003	1.5020e-003
tbIVehicleEF	LHD2	0.01	0.01
tbIVehicleEF	LHD2	9.3120e-003	0.01
tbIVehicleEF	LHD2	3.7400e-004	1.0600e-004
tbIVehicleEF	LHD2	1.0000e-003	1.4370e-003
tbIVehicleEF	LHD2	2.7080e-003	2.7110e-003
tbIVehicleEF	LHD2	8.8860e-003	0.01
tbIVehicleEF	LHD2	3.4400e-004	9.8000e-005
tbIVehicleEF	LHD2	5.1500e-004	6.4200e-004
tbIVehicleEF	LHD2	0.02	0.02
tbIVehicleEF	LHD2	0.01	0.01
tbIVehicleEF	LHD2	3.0800e-004	3.7400e-004
tbIVehicleEF	LHD2	0.09	0.10
tbIVehicleEF	LHD2	0.04	0.14
tbIVehicleEF	LHD2	0.04	0.02
tbIVehicleEF	LHD2	1.3300e-004	1.2400e-004
tbIVehicleEF	LHD2	6.5670e-003	6.5570e-003
tbIVehicleEF	LHD2	2.3300e-004	6.4000e-005
tbIVehicleEF	LHD2	5.1500e-004	6.4200e-004
tbIVehicleEF	LHD2	0.02	0.02
tbIVehicleEF	LHD2	0.01	0.02
tbIVehicleEF	LHD2	3.0800e-004	3.7400e-004
tbIVehicleEF	LHD2	0.11	0.11
tbIVehicleEF	LHD2	0.04	0.14
tbIVehicleEF	LHD2	0.05	0.02
tbIVehicleEF	MCY	0.46	0.32
tbIVehicleEF	MCY	0.16	0.25
tbIVehicleEF	MCY	17.52	17.61
tbIVehicleEF	MCY	10.34	9.20
tbIVehicleEF	MCY	171.38	209.76

tbIVehicleEF	MCY	42.85	59.23
tbIVehicleEF	MCY	1.14	1.14
tbIVehicleEF	MCY	0.32	0.27
tbIVehicleEF	MCY	2.1570e-003	2.1380e-003
tbIVehicleEF	MCY	3.3210e-003	2.8620e-003
tbIVehicleEF	MCY	2.0120e-003	1.9940e-003
tbIVehicleEF	MCY	3.1070e-003	2.6760e-003
tbIVehicleEF	MCY	0.88	1.79
tbIVehicleEF	MCY	0.61	0.63
tbIVehicleEF	MCY	0.46	0.95
tbIVehicleEF	MCY	2.12	2.13
tbIVehicleEF	MCY	0.46	1.49
tbIVehicleEF	MCY	2.11	1.88
tbIVehicleEF	MCY	2.0640e-003	2.0760e-003
tbIVehicleEF	MCY	6.5900e-004	5.8600e-004
tbIVehicleEF	MCY	0.88	1.79
tbIVehicleEF	MCY	0.61	0.63
tbIVehicleEF	MCY	0.46	0.95
tbIVehicleEF	MCY	2.66	2.67
tbIVehicleEF	MCY	0.46	1.49
tbIVehicleEF	MCY	2.30	2.04
tbIVehicleEF	MDV	5.1180e-003	1.7720e-003
tbIVehicleEF	MDV	7.2260e-003	0.04
tbIVehicleEF	MDV	0.68	0.55
tbIVehicleEF	MDV	1.51	2.32
tbIVehicleEF	MDV	358.67	301.13
tbIVehicleEF	MDV	82.28	63.46
tbIVehicleEF	MDV	0.07	0.04
tbIVehicleEF	MDV	0.11	0.18
tbIVehicleEF	MDV	1.3880e-003	1.0340e-003

tblVehicleEF	MDV	2.0820e-003	1.3440e-003
tblVehicleEF	MDV	1.2780e-003	9.5400e-004
tblVehicleEF	MDV	1.9150e-003	1.2360e-003
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.01	6.8870e-003
tblVehicleEF	MDV	0.09	0.34
tblVehicleEF	MDV	0.10	0.20
tblVehicleEF	MDV	3.5870e-003	2.9760e-003
tblVehicleEF	MDV	8.4800e-004	6.2800e-004
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.02	9.9830e-003
tblVehicleEF	MDV	0.09	0.34
tblVehicleEF	MDV	0.11	0.22
tblVehicleEF	MH	8.2310e-003	5.0270e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.45	0.31
tblVehicleEF	MH	3.72	1.64
tblVehicleEF	MH	1,184.19	1,350.27
tblVehicleEF	MH	56.79	15.54
tblVehicleEF	MH	0.84	1.06
tblVehicleEF	MH	0.62	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	8.8300e-004	2.1200e-004
tblVehicleEF	MH	3.2210e-003	3.2970e-003
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	8.1200e-004	1.9500e-004
tblVehicleEF	MH	0.46	0.35
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	0.18	0.14
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	0.01	0.54
tblVehicleEF	MH	0.22	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3200e-004	1.5400e-004
tblVehicleEF	MH	0.46	0.35
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	0.18	0.14
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.01	0.54
tblVehicleEF	MH	0.24	0.08
tblVehicleEF	MHD	0.02	3.8320e-003
tblVehicleEF	MHD	2.7470e-003	1.0340e-003
tblVehicleEF	MHD	0.03	8.3830e-003
tblVehicleEF	MHD	0.37	0.41
tblVehicleEF	MHD	0.25	0.15
tblVehicleEF	MHD	3.74	0.87
tblVehicleEF	MHD	131.96	65.10
tblVehicleEF	MHD	1,167.79	993.45
tblVehicleEF	MHD	59.45	8.55
tblVehicleEF	MHD	0.34	0.34
tblVehicleEF	MHD	1.04	1.43
tblVehicleEF	MHD	9.99	1.69
tblVehicleEF	MHD	5.2000e-005	1.6200e-004
tblVehicleEF	MHD	3.0080e-003	7.0060e-003
tblVehicleEF	MHD	8.2100e-004	1.1200e-004

tblVehicleEF	MHD	5.0000e-005	1.5500e-004
tblVehicleEF	MHD	2.8710e-003	6.6960e-003
tblVehicleEF	MHD	7.5400e-004	1.0300e-004
tblVehicleEF	MHD	6.4300e-004	2.8900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.8200e-004	1.6800e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.07
tblVehicleEF	MHD	0.23	0.04
tblVehicleEF	MHD	1.2710e-003	6.1800e-004
tblVehicleEF	MHD	0.01	9.4800e-003
tblVehicleEF	MHD	6.6000e-004	8.5000e-005
tblVehicleEF	MHD	6.4300e-004	2.8900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	3.8200e-004	1.6800e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.07
tblVehicleEF	MHD	0.25	0.05
tblVehicleEF	OBUS	0.01	7.0980e-003
tblVehicleEF	OBUS	4.0840e-003	2.1970e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.64
tblVehicleEF	OBUS	0.30	0.26
tblVehicleEF	OBUS	4.08	1.58
tblVehicleEF	OBUS	110.55	97.36
tblVehicleEF	OBUS	1,272.30	1,210.85
tblVehicleEF	OBUS	64.94	13.46
tblVehicleEF	OBUS	0.24	0.43

tbIVehicleEF	OBUS	0.85	1.45
tbIVehicleEF	OBUS	2.74	1.13
tbIVehicleEF	OBUS	2.2000e-005	1.4200e-004
tbIVehicleEF	OBUS	2.8340e-003	7.8820e-003
tbIVehicleEF	OBUS	9.3800e-004	1.5600e-004
tbIVehicleEF	OBUS	2.1000e-005	1.3600e-004
tbIVehicleEF	OBUS	2.6900e-003	7.5260e-003
tbIVehicleEF	OBUS	8.6200e-004	1.4400e-004
tbIVehicleEF	OBUS	1.1660e-003	1.0620e-003
tbIVehicleEF	OBUS	0.01	0.02
tbIVehicleEF	OBUS	0.03	0.05
tbIVehicleEF	OBUS	5.3200e-004	4.8700e-004
tbIVehicleEF	OBUS	0.04	0.02
tbIVehicleEF	OBUS	0.03	0.18
tbIVehicleEF	OBUS	0.26	0.08
tbIVehicleEF	OBUS	1.0660e-003	9.2400e-004
tbIVehicleEF	OBUS	0.01	0.01
tbIVehicleEF	OBUS	7.2100e-004	1.3300e-004
tbIVehicleEF	OBUS	1.1660e-003	1.0620e-003
tbIVehicleEF	OBUS	0.01	0.02
tbIVehicleEF	OBUS	0.05	0.06
tbIVehicleEF	OBUS	5.3200e-004	4.8700e-004
tbIVehicleEF	OBUS	0.05	0.02
tbIVehicleEF	OBUS	0.03	0.18
tbIVehicleEF	OBUS	0.28	0.08
tbIVehicleEF	SBUS	0.81	0.07
tbIVehicleEF	SBUS	7.6490e-003	4.4040e-003
tbIVehicleEF	SBUS	0.06	6.3380e-003
tbIVehicleEF	SBUS	8.87	2.93
tbIVehicleEF	SBUS	0.48	0.37

tblVehicleEF	SBUS	7.57	0.86
tblVehicleEF	SBUS	1,023.58	337.48
tblVehicleEF	SBUS	1,008.60	970.50
tblVehicleEF	SBUS	61.81	5.06
tblVehicleEF	SBUS	4.35	2.71
tblVehicleEF	SBUS	1.72	3.09
tblVehicleEF	SBUS	10.76	1.18
tblVehicleEF	SBUS	2.1870e-003	2.0480e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	8.4940e-003	0.02
tblVehicleEF	SBUS	1.1020e-003	6.8000e-005
tblVehicleEF	SBUS	2.0920e-003	1.9600e-003
tblVehicleEF	SBUS	2.5880e-003	2.6690e-003
tblVehicleEF	SBUS	8.1060e-003	0.02
tblVehicleEF	SBUS	1.0130e-003	6.2000e-005
tblVehicleEF	SBUS	3.7080e-003	8.7000e-004
tblVehicleEF	SBUS	0.03	8.3040e-003
tblVehicleEF	SBUS	1.05	0.32
tblVehicleEF	SBUS	1.7580e-003	4.1400e-004
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.2190e-003
tblVehicleEF	SBUS	9.7440e-003	9.2880e-003
tblVehicleEF	SBUS	7.4900e-004	5.0000e-005
tblVehicleEF	SBUS	3.7080e-003	8.7000e-004
tblVehicleEF	SBUS	0.03	8.3040e-003
tblVehicleEF	SBUS	1.53	0.46
tblVehicleEF	SBUS	1.7580e-003	4.1400e-004
tblVehicleEF	SBUS	0.08	0.07

tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	0.23	1.86
tblVehicleEF	UBUS	0.05	2.1860e-003
tblVehicleEF	UBUS	3.04	14.11
tblVehicleEF	UBUS	7.59	0.14
tblVehicleEF	UBUS	1,937.16	1,668.67
tblVehicleEF	UBUS	126.43	1.40
tblVehicleEF	UBUS	4.75	0.71
tblVehicleEF	UBUS	13.02	0.02
tblVehicleEF	UBUS	0.54	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.10	5.1160e-003
tblVehicleEF	UBUS	1.3960e-003	1.5000e-005
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	8.3320e-003
tblVehicleEF	UBUS	0.10	4.8930e-003
tblVehicleEF	UBUS	1.2840e-003	1.4000e-005
tblVehicleEF	UBUS	2.5990e-003	6.1000e-005
tblVehicleEF	UBUS	0.04	8.1400e-004
tblVehicleEF	UBUS	1.5170e-003	3.6000e-005
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	9.4350e-003	4.9280e-003
tblVehicleEF	UBUS	0.65	9.2610e-003
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.4020e-003	1.4000e-005
tblVehicleEF	UBUS	2.5990e-003	6.1000e-005
tblVehicleEF	UBUS	0.04	8.1400e-004
tblVehicleEF	UBUS	1.5170e-003	3.6000e-005
tblVehicleEF	UBUS	0.48	1.90

tblVehicleEF	UBUS	9.4350e-003	4.9280e-003
tblVehicleEF	UBUS	0.71	0.01
tblVehicleTrips	ST_TR	2.20	1.67
tblVehicleTrips	SU_TR	2.44	1.86
tblVehicleTrips	WD_TR	2.74	2.09
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	5.58	0.00
tblWoodstoves	NumberNoncatalytic	5.58	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1322	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668

Energy	0.0130	0.1111	0.0473	7.1000e-004		8.9800e-003	8.9800e-003		8.9800e-003	8.9800e-003	0.0000	271.4476	271.4476	0.0226	6.5200e-003	273.9542
Mobile	0.1440	0.2504	1.2333	3.9800e-003	0.4784	2.8900e-003	0.4812	0.1280	2.7100e-003	0.1307	0.0000	366.2738	366.2738	0.0146	0.0000	366.6381
Stationary	0.0275	0.0768	0.0701	1.3000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	12.7567	12.7567	1.7900e-003	0.0000	12.8014
Waste						0.0000	0.0000		0.0000	0.0000	51.6795	0.0000	51.6795	3.0542	0.0000	128.0337
Water						0.0000	0.0000		0.0000	0.0000	6.4314	12.9387	19.3701	0.0240	0.0144	24.2493
Total	1.3167	0.4622	3.4179	4.9300e-003	0.4784	0.0274	0.5058	0.1280	0.0272	0.1552	58.1109	666.8030	724.9138	3.1203	0.0209	809.1436

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1322	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668
Energy	0.0130	0.1111	0.0473	7.1000e-004		8.9800e-003	8.9800e-003		8.9800e-003	8.9800e-003	0.0000	271.4476	271.4476	0.0226	6.5200e-003	273.9542
Mobile	0.1440	0.2504	1.2333	3.9800e-003	0.4784	2.8900e-003	0.4812	0.1280	2.7100e-003	0.1307	0.0000	366.2738	366.2738	0.0146	0.0000	366.6381
Stationary	0.0275	0.0768	0.0701	1.3000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	12.7567	12.7567	1.7900e-003	0.0000	12.8014
Waste						0.0000	0.0000		0.0000	0.0000	51.6795	0.0000	51.6795	3.0542	0.0000	128.0337
Water						0.0000	0.0000		0.0000	0.0000	6.4314	12.9387	19.3701	0.0240	0.0144	24.2493
Total	1.3167	0.4622	3.4179	4.9300e-003	0.4784	0.0274	0.5058	0.1280	0.0272	0.1552	58.1109	666.8030	724.9138	3.1203	0.0209	809.1436

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1440	0.2504	1.2333	3.9800e-003	0.4784	2.8900e-003	0.4812	0.1280	2.7100e-003	0.1307	0.0000	366.2738	366.2738	0.0146	0.0000	366.6381
Unmitigated	0.1440	0.2504	1.2333	3.9800e-003	0.4784	2.8900e-003	0.4812	0.1280	2.7100e-003	0.1307	0.0000	366.2738	366.2738	0.0146	0.0000	366.6381

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	583.11	465.93	518.94	1,286,920	1,286,920
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	583.11	465.93	518.94	1,286,920	1,286,920

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
Congregate Care (Assisted Living)	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.595423	0.053963	0.171400	0.106522	0.021043	0.005556	0.013639	0.023425	0.001443	0.001178	0.004780	0.000900	0.000728

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
Total		0.0130	0.1111	0.0473	7.1000e-004		8.9800e-003	8.9800e-003		8.9800e-003	8.9800e-003	0.0000	128.6285	128.6285	2.4700e-003	2.3600e-003	129.3929

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Congregate Care (Assisted Living)	2.41041e+006	0.0130	0.1111	0.0473	7.1000e-004		8.9800e-003	8.9800e-003		8.9800e-003	8.9800e-003	0.0000	128.6285	128.6285	2.4700e-003	2.3600e-003	129.3929
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0130	0.1111	0.0473	7.1000e-004		8.9800e-003	8.9800e-003		8.9800e-003	8.9800e-003	0.0000	128.6285	128.6285	2.4700e-003	2.3600e-003	129.3929

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	1.15181e+006	107.6251	0.0152	3.1300e-003	108.9381
Enclosed Parking with Elevator	376364	35.1675	4.9500e-003	1.0200e-003	35.5965
Parking Lot	283.5	0.0265	0.0000	0.0000	0.0268
Total		142.8191	0.0201	4.1500e-003	144.5614

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	1.15181e+006	107.6251	0.0152	3.1300e-003	108.9381
Enclosed Parking with Elevator	376364	35.1675	4.9500e-003	1.0200e-003	35.5965
Parking Lot	283.5	0.0265	0.0000	0.0000	0.0268
Total		142.8191	0.0201	4.1500e-003	144.5614

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1322	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668
Unmitigated	1.1322	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668

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	0.1640					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9064					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0619	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668
Total	1.1322	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668

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	0.1640					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9064					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0619	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668
Total	1.1322	0.0238	2.0672	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3861	3.3861	3.2300e-003	0.0000	3.4668

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.3701	0.0240	0.0144	24.2493
Unmitigated	19.3701	0.0240	0.0144	24.2493

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	18.178 / 11.46	19.3701	0.0240	0.0144	24.2493
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		19.3701	0.0240	0.0144	24.2493

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
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Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	18.178 / 11.46	19.3701	0.0240	0.0144	24.2493
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		19.3701	0.0240	0.0144	24.2493

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	51.6795	3.0542	0.0000	128.0337
Unmitigated	51.6795	3.0542	0.0000	128.0337

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed	Total CO2	CH4	N2O	CO2e
	tons	MT/yr			

Congregate Care (Assisted Living)	254.59	51.6795	3.0542	0.0000	128.0337
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		51.6795	3.0542	0.0000	128.0337

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	254.59	51.6795	3.0542	0.0000	128.0337
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		51.6795	3.0542	0.0000	128.0337

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
Emergency Generator	1	0	50	670	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										Mt/yr					
Emergency Generator - Diesel (600 - 750 HP)	0.0275	0.0768	0.0701	1.3000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	12.7567	12.7567	1.7900e-003	0.0000	12.8014
Total	0.0275	0.0768	0.0701	1.3000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	12.7567	12.7567	1.7900e-003	0.0000	12.8014

11.0 Vegetation

El Paseo Site - Existing Operational - Santa Clara County, Annual

El Paseo Site - Existing Operational
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	72.94	1000sqft	1.67	72,940.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - PG&E 2018 rate
- Land Use - Based on Traffic existing retail
- Construction Phase - no construction
- Off-road Equipment - no construction
- Vehicle Trips - Based on traffic 2,228 total trips/72,940sf (30.55,28.97,14.08)
- Woodstoves - No hearths
- Water And Wastewater - All wastewater treatment at SJ plant
- Grading - no construction
- Trips and VMT - no construction

Vehicle Emission Factors - EMFAC2017 Santa Clara County Emissions Factors 2020

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	PhaseEndDate	2/23/2021	2/22/2021
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.62	0.59
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.18
tblFleetMix	LHD1	0.01	0.02
tblFleetMix	LHD2	5.0300e-003	5.0275e-003
tblFleetMix	MCY	5.2040e-003	5.3073e-003
tblFleetMix	MDV	0.10	0.11
tblFleetMix	MH	6.8100e-004	7.7873e-004
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	2.1950e-003	1.7473e-003
tblFleetMix	SBUS	6.3800e-004	9.2634e-004
tblFleetMix	UBUS	1.5020e-003	1.3021e-003
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblVehicleEF	HHD	0.31	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.07	0.00
tblVehicleEF	HHD	1.52	5.38
tblVehicleEF	HHD	0.93	0.76

tblVehicleEF	HHD	3.74	6.2050e-003
tblVehicleEF	HHD	4,207.12	1,078.53
tblVehicleEF	HHD	1,529.11	1,581.53
tblVehicleEF	HHD	11.80	0.06
tblVehicleEF	HHD	13.04	6.03
tblVehicleEF	HHD	1.80	4.62
tblVehicleEF	HHD	19.31	1.73
tblVehicleEF	HHD	5.9270e-003	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.0050e-003	0.07
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	5.6710e-003	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8440e-003	8.8630e-003
tblVehicleEF	HHD	5.7450e-003	0.07
tblVehicleEF	HHD	1.0700e-004	1.0000e-006
tblVehicleEF	HHD	9.5000e-005	5.0000e-006
tblVehicleEF	HHD	4.6590e-003	2.2500e-004
tblVehicleEF	HHD	0.39	0.44
tblVehicleEF	HHD	6.0000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.17
tblVehicleEF	HHD	4.0300e-004	1.4070e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.7900e-004	1.0000e-006
tblVehicleEF	HHD	9.5000e-005	5.0000e-006
tblVehicleEF	HHD	4.6590e-003	2.2500e-004
tblVehicleEF	HHD	0.46	0.50

tbIVehicleEF	HHD	6.0000e-005	3.0000e-006
tbIVehicleEF	HHD	0.15	0.24
tbIVehicleEF	HHD	4.0300e-004	1.4070e-003
tbIVehicleEF	HHD	0.09	3.0000e-006
tbIVehicleEF	LDA	2.5670e-003	3.0610e-003
tbIVehicleEF	LDA	3.2680e-003	0.06
tbIVehicleEF	LDA	0.41	0.74
tbIVehicleEF	LDA	0.84	2.38
tbIVehicleEF	LDA	206.01	264.68
tbIVehicleEF	LDA	48.83	56.07
tbIVehicleEF	LDA	0.03	0.05
tbIVehicleEF	LDA	0.04	0.22
tbIVehicleEF	LDA	1.5230e-003	1.5800e-003
tbIVehicleEF	LDA	2.1880e-003	1.9810e-003
tbIVehicleEF	LDA	1.4020e-003	1.4560e-003
tbIVehicleEF	LDA	2.0120e-003	1.8220e-003
tbIVehicleEF	LDA	0.02	0.05
tbIVehicleEF	LDA	0.07	0.11
tbIVehicleEF	LDA	0.02	0.04
tbIVehicleEF	LDA	6.4390e-003	0.01
tbIVehicleEF	LDA	0.03	0.23
tbIVehicleEF	LDA	0.04	0.29
tbIVehicleEF	LDA	2.0620e-003	8.7000e-005
tbIVehicleEF	LDA	5.0200e-004	0.00
tbIVehicleEF	LDA	0.02	0.05
tbIVehicleEF	LDA	0.07	0.11
tbIVehicleEF	LDA	0.02	0.04
tbIVehicleEF	LDA	9.3640e-003	0.02
tbIVehicleEF	LDA	0.03	0.23
tbIVehicleEF	LDA	0.05	0.32

tblVehicleEF	LDT1	5.5980e-003	6.5560e-003
tblVehicleEF	LDT1	7.5190e-003	0.08
tblVehicleEF	LDT1	0.76	1.36
tblVehicleEF	LDT1	1.67	2.64
tblVehicleEF	LDT1	262.03	314.05
tblVehicleEF	LDT1	61.70	67.50
tblVehicleEF	LDT1	0.07	0.12
tblVehicleEF	LDT1	0.09	0.29
tblVehicleEF	LDT1	1.9540e-003	2.2660e-003
tblVehicleEF	LDT1	2.6790e-003	2.7710e-003
tblVehicleEF	LDT1	1.7980e-003	2.0860e-003
tblVehicleEF	LDT1	2.4630e-003	2.5480e-003
tblVehicleEF	LDT1	0.06	0.11
tblVehicleEF	LDT1	0.16	0.21
tblVehicleEF	LDT1	0.05	0.08
tblVehicleEF	LDT1	0.01	0.03
tblVehicleEF	LDT1	0.13	0.74
tblVehicleEF	LDT1	0.10	0.43
tblVehicleEF	LDT1	2.6280e-003	2.5610e-003
tblVehicleEF	LDT1	6.4500e-004	0.00
tblVehicleEF	LDT1	0.06	0.11
tblVehicleEF	LDT1	0.16	0.21
tblVehicleEF	LDT1	0.05	0.08
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.13	0.74
tblVehicleEF	LDT1	0.11	0.47
tblVehicleEF	LDT2	3.9270e-003	4.4900e-003
tblVehicleEF	LDT2	4.6800e-003	0.08
tblVehicleEF	LDT2	0.58	1.01
tblVehicleEF	LDT2	1.13	3.10

tbIVehicleEF	LDT2	296.40	346.93
tbIVehicleEF	LDT2	69.39	75.00
tbIVehicleEF	LDT2	0.05	0.10
tbIVehicleEF	LDT2	0.08	0.35
tbIVehicleEF	LDT2	1.6390e-003	1.5660e-003
tbIVehicleEF	LDT2	2.3480e-003	1.9310e-003
tbIVehicleEF	LDT2	1.5070e-003	1.4410e-003
tbIVehicleEF	LDT2	2.1590e-003	1.7760e-003
tbIVehicleEF	LDT2	0.03	0.07
tbIVehicleEF	LDT2	0.09	0.14
tbIVehicleEF	LDT2	0.03	0.06
tbIVehicleEF	LDT2	9.7420e-003	0.02
tbIVehicleEF	LDT2	0.06	0.45
tbIVehicleEF	LDT2	0.06	0.39
tbIVehicleEF	LDT2	2.9680e-003	0.01
tbIVehicleEF	LDT2	7.1300e-004	9.1000e-005
tbIVehicleEF	LDT2	0.03	0.07
tbIVehicleEF	LDT2	0.09	0.14
tbIVehicleEF	LDT2	0.03	0.06
tbIVehicleEF	LDT2	0.01	0.03
tbIVehicleEF	LDT2	0.06	0.45
tbIVehicleEF	LDT2	0.07	0.43
tbIVehicleEF	LHD1	4.6790e-003	5.6860e-003
tbIVehicleEF	LHD1	0.01	0.01
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	0.14	0.19
tbIVehicleEF	LHD1	0.81	1.02
tbIVehicleEF	LHD1	2.14	1.23
tbIVehicleEF	LHD1	8.97	9.13
tbIVehicleEF	LHD1	665.14	837.42

tbIVehicleEF	LHD1	29.84	12.75
tbIVehicleEF	LHD1	0.07	0.06
tbIVehicleEF	LHD1	0.82	1.05
tbIVehicleEF	LHD1	0.85	0.37
tbIVehicleEF	LHD1	8.4500e-004	7.7000e-004
tbIVehicleEF	LHD1	0.01	9.6220e-003
tbIVehicleEF	LHD1	0.01	0.01
tbIVehicleEF	LHD1	8.1100e-004	3.0500e-004
tbIVehicleEF	LHD1	8.0900e-004	7.3700e-004
tbIVehicleEF	LHD1	2.5630e-003	2.4060e-003
tbIVehicleEF	LHD1	0.01	0.01
tbIVehicleEF	LHD1	7.4600e-004	2.8100e-004
tbIVehicleEF	LHD1	2.3230e-003	2.4030e-003
tbIVehicleEF	LHD1	0.09	0.09
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	1.2230e-003	1.1790e-003
tbIVehicleEF	LHD1	0.11	0.11
tbIVehicleEF	LHD1	0.30	0.62
tbIVehicleEF	LHD1	0.21	0.10
tbIVehicleEF	LHD1	9.0000e-005	8.9000e-005
tbIVehicleEF	LHD1	6.5140e-003	8.1860e-003
tbIVehicleEF	LHD1	3.3800e-004	1.2600e-004
tbIVehicleEF	LHD1	2.3230e-003	2.4030e-003
tbIVehicleEF	LHD1	0.09	0.09
tbIVehicleEF	LHD1	0.02	0.03
tbIVehicleEF	LHD1	1.2230e-003	1.1790e-003
tbIVehicleEF	LHD1	0.13	0.14
tbIVehicleEF	LHD1	0.30	0.62
tbIVehicleEF	LHD1	0.23	0.11
tbIVehicleEF	LHD2	2.9160e-003	3.5440e-003

tbIVehicleEF	LHD2	6.1790e-003	8.7930e-003
tbIVehicleEF	LHD2	4.7100e-003	0.01
tbIVehicleEF	LHD2	0.12	0.14
tbIVehicleEF	LHD2	0.49	0.77
tbIVehicleEF	LHD2	0.99	0.75
tbIVehicleEF	LHD2	13.82	14.26
tbIVehicleEF	LHD2	689.53	809.32
tbIVehicleEF	LHD2	22.84	8.63
tbIVehicleEF	LHD2	0.09	0.11
tbIVehicleEF	LHD2	0.42	1.29
tbIVehicleEF	LHD2	0.35	0.22
tbIVehicleEF	LHD2	1.1530e-003	1.3780e-003
tbIVehicleEF	LHD2	0.01	0.01
tbIVehicleEF	LHD2	0.01	0.02
tbIVehicleEF	LHD2	3.8100e-004	1.6100e-004
tbIVehicleEF	LHD2	1.1040e-003	1.3190e-003
tbIVehicleEF	LHD2	2.7010e-003	2.6690e-003
tbIVehicleEF	LHD2	0.01	0.02
tbIVehicleEF	LHD2	3.5100e-004	1.4800e-004
tbIVehicleEF	LHD2	6.3900e-004	1.3640e-003
tbIVehicleEF	LHD2	0.02	0.05
tbIVehicleEF	LHD2	0.01	0.02
tbIVehicleEF	LHD2	3.6200e-004	6.5500e-004
tbIVehicleEF	LHD2	0.10	0.12
tbIVehicleEF	LHD2	0.05	0.37
tbIVehicleEF	LHD2	0.06	0.06
tbIVehicleEF	LHD2	1.3500e-004	1.3600e-004
tbIVehicleEF	LHD2	6.7010e-003	7.8220e-003
tbIVehicleEF	LHD2	2.4600e-004	8.5000e-005
tbIVehicleEF	LHD2	6.3900e-004	1.3640e-003

tbIVehicleEF	LHD2	0.02	0.05
tbIVehicleEF	LHD2	0.02	0.02
tbIVehicleEF	LHD2	3.6200e-004	6.5500e-004
tbIVehicleEF	LHD2	0.11	0.15
tbIVehicleEF	LHD2	0.05	0.37
tbIVehicleEF	LHD2	0.07	0.06
tbIVehicleEF	MCY	0.45	0.33
tbIVehicleEF	MCY	0.16	0.26
tbIVehicleEF	MCY	18.05	20.00
tbIVehicleEF	MCY	10.25	8.95
tbIVehicleEF	MCY	170.65	210.53
tbIVehicleEF	MCY	44.05	62.15
tbIVehicleEF	MCY	1.14	1.16
tbIVehicleEF	MCY	0.32	0.27
tbIVehicleEF	MCY	2.0890e-003	1.8410e-003
tbIVehicleEF	MCY	3.4880e-003	3.2620e-003
tbIVehicleEF	MCY	1.9500e-003	1.7250e-003
tbIVehicleEF	MCY	3.2730e-003	3.0800e-003
tbIVehicleEF	MCY	0.89	1.83
tbIVehicleEF	MCY	0.66	0.73
tbIVehicleEF	MCY	0.48	1.01
tbIVehicleEF	MCY	2.16	2.28
tbIVehicleEF	MCY	0.54	2.21
tbIVehicleEF	MCY	2.16	1.98
tbIVehicleEF	MCY	2.0660e-003	2.0830e-003
tbIVehicleEF	MCY	6.7200e-004	6.1500e-004
tbIVehicleEF	MCY	0.89	1.83
tbIVehicleEF	MCY	0.66	0.73
tbIVehicleEF	MCY	0.48	1.01
tbIVehicleEF	MCY	2.69	2.80

tblVehicleEF	MCY	0.54	2.21
tblVehicleEF	MCY	2.35	2.16
tblVehicleEF	MDV	7.0480e-003	6.1720e-003
tblVehicleEF	MDV	0.01	0.10
tblVehicleEF	MDV	0.85	1.24
tblVehicleEF	MDV	2.04	3.71
tblVehicleEF	MDV	400.76	420.60
tblVehicleEF	MDV	92.41	90.34
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.17	0.44
tblVehicleEF	MDV	1.7210e-003	1.7830e-003
tblVehicleEF	MDV	2.4070e-003	2.2440e-003
tblVehicleEF	MDV	1.5860e-003	1.6450e-003
tblVehicleEF	MDV	2.2130e-003	2.0650e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.16
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.15	0.52
tblVehicleEF	MDV	4.0100e-003	4.1580e-003
tblVehicleEF	MDV	9.5900e-004	8.9400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.16
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.16	0.57
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.03

tblVehicleEF	MH	1.24	2.05
tblVehicleEF	MH	4.69	2.50
tblVehicleEF	MH	1,198.30	1,611.87
tblVehicleEF	MH	57.81	20.50
tblVehicleEF	MH	1.06	1.60
tblVehicleEF	MH	0.72	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.0090e-003	3.5200e-004
tblVehicleEF	MH	3.2210e-003	3.2600e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	9.2700e-004	3.2500e-004
tblVehicleEF	MH	0.64	0.96
tblVehicleEF	MH	0.05	0.08
tblVehicleEF	MH	0.23	0.32
tblVehicleEF	MH	0.07	0.10
tblVehicleEF	MH	0.02	1.93
tblVehicleEF	MH	0.27	0.12
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.6000e-004	2.0300e-004
tblVehicleEF	MH	0.64	0.96
tblVehicleEF	MH	0.05	0.08
tblVehicleEF	MH	0.23	0.32
tblVehicleEF	MH	0.09	0.14
tblVehicleEF	MH	0.02	1.93
tblVehicleEF	MH	0.30	0.13
tblVehicleEF	MHD	0.02	3.3020e-003
tblVehicleEF	MHD	3.4340e-003	0.01
tblVehicleEF	MHD	0.04	9.8030e-003
tblVehicleEF	MHD	0.37	0.36

tblVehicleEF	MHD	0.29	0.93
tblVehicleEF	MHD	4.65	1.27
tblVehicleEF	MHD	133.69	78.16
tblVehicleEF	MHD	1,178.99	1,180.29
tblVehicleEF	MHD	59.87	9.18
tblVehicleEF	MHD	0.35	0.73
tblVehicleEF	MHD	1.08	3.39
tblVehicleEF	MHD	10.16	1.06
tblVehicleEF	MHD	8.3000e-005	2.6060e-003
tblVehicleEF	MHD	3.0880e-003	0.09
tblVehicleEF	MHD	8.3800e-004	1.3000e-004
tblVehicleEF	MHD	8.0000e-005	2.4930e-003
tblVehicleEF	MHD	2.9480e-003	0.09
tblVehicleEF	MHD	7.7100e-004	1.1900e-004
tblVehicleEF	MHD	7.3900e-004	5.4800e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.0900e-004	2.6100e-004
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.28	0.06
tblVehicleEF	MHD	1.2880e-003	7.4100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.8000e-004	9.1000e-005
tblVehicleEF	MHD	7.3900e-004	5.4800e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	4.0900e-004	2.6100e-004
tblVehicleEF	MHD	0.05	0.28
tblVehicleEF	MHD	0.02	0.14

tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	OBUS	0.01	7.6010e-003
tblVehicleEF	OBUS	5.0380e-003	9.9430e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.57
tblVehicleEF	OBUS	0.37	0.90
tblVehicleEF	OBUS	4.49	2.02
tblVehicleEF	OBUS	104.04	99.74
tblVehicleEF	OBUS	1,285.07	1,402.55
tblVehicleEF	OBUS	65.96	15.98
tblVehicleEF	OBUS	0.22	0.69
tblVehicleEF	OBUS	0.92	2.31
tblVehicleEF	OBUS	2.69	0.92
tblVehicleEF	OBUS	2.0000e-005	2.9700e-003
tblVehicleEF	OBUS	2.8820e-003	0.04
tblVehicleEF	OBUS	8.7800e-004	1.4400e-004
tblVehicleEF	OBUS	2.0000e-005	2.8410e-003
tblVehicleEF	OBUS	2.7360e-003	0.04
tblVehicleEF	OBUS	8.0800e-004	1.3300e-004
tblVehicleEF	OBUS	1.1600e-003	1.0920e-003
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	5.1900e-004	4.7000e-004
tblVehicleEF	OBUS	0.04	0.13
tblVehicleEF	OBUS	0.03	0.17
tblVehicleEF	OBUS	0.28	0.10
tblVehicleEF	OBUS	1.0040e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.3800e-004	1.5800e-004
tblVehicleEF	OBUS	1.1600e-003	1.0920e-003

tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	5.1900e-004	4.7000e-004
tblVehicleEF	OBUS	0.05	0.15
tblVehicleEF	OBUS	0.03	0.17
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	SBUS	0.81	0.04
tblVehicleEF	SBUS	0.01	7.1250e-003
tblVehicleEF	SBUS	0.07	4.2090e-003
tblVehicleEF	SBUS	8.46	1.89
tblVehicleEF	SBUS	0.78	0.58
tblVehicleEF	SBUS	8.66	0.64
tblVehicleEF	SBUS	1,071.32	347.29
tblVehicleEF	SBUS	1,032.09	1,091.13
tblVehicleEF	SBUS	58.82	3.52
tblVehicleEF	SBUS	6.58	3.76
tblVehicleEF	SBUS	2.75	5.50
tblVehicleEF	SBUS	11.46	0.69
tblVehicleEF	SBUS	5.0460e-003	4.8070e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	9.7600e-004	3.8000e-005
tblVehicleEF	SBUS	4.8280e-003	4.5990e-003
tblVehicleEF	SBUS	2.6090e-003	2.7520e-003
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	8.9800e-004	3.5000e-005
tblVehicleEF	SBUS	3.3660e-003	4.4100e-004
tblVehicleEF	SBUS	0.03	4.2270e-003
tblVehicleEF	SBUS	1.00	0.21
tblVehicleEF	SBUS	1.5600e-003	1.7000e-004

tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.44	0.02
tblVehicleEF	SBUS	0.01	3.3020e-003
tblVehicleEF	SBUS	9.9690e-003	0.01
tblVehicleEF	SBUS	7.3700e-004	3.5000e-005
tblVehicleEF	SBUS	3.3660e-003	4.4100e-004
tblVehicleEF	SBUS	0.03	4.2270e-003
tblVehicleEF	SBUS	1.45	0.30
tblVehicleEF	SBUS	1.5600e-003	1.7000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.48	0.03
tblVehicleEF	UBUS	0.23	1.38
tblVehicleEF	UBUS	0.04	2.5800e-003
tblVehicleEF	UBUS	3.77	10.36
tblVehicleEF	UBUS	7.31	0.14
tblVehicleEF	UBUS	2,007.57	1,606.71
tblVehicleEF	UBUS	114.33	1.64
tblVehicleEF	UBUS	7.17	0.73
tblVehicleEF	UBUS	13.83	0.02
tblVehicleEF	UBUS	0.57	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	5.2780e-003
tblVehicleEF	UBUS	1.2080e-003	2.0000e-006
tblVehicleEF	UBUS	0.24	0.03
tblVehicleEF	UBUS	3.0000e-003	8.3320e-003
tblVehicleEF	UBUS	0.15	5.0490e-003
tblVehicleEF	UBUS	1.1100e-003	2.0000e-006
tblVehicleEF	UBUS	2.0830e-003	1.5400e-004

tblVehicleEF	UBUS	0.03	2.3510e-003
tblVehicleEF	UBUS	1.1550e-003	9.7000e-005
tblVehicleEF	UBUS	0.36	0.02
tblVehicleEF	UBUS	7.3900e-003	0.02
tblVehicleEF	UBUS	0.58	0.01
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.2750e-003	1.6000e-005
tblVehicleEF	UBUS	2.0830e-003	1.5400e-004
tblVehicleEF	UBUS	0.03	2.3510e-003
tblVehicleEF	UBUS	1.1550e-003	9.7000e-005
tblVehicleEF	UBUS	0.62	1.41
tblVehicleEF	UBUS	7.3900e-003	0.02
tblVehicleEF	UBUS	0.64	0.01
tblVehicleTrips	ST_TR	42.04	28.97
tblVehicleTrips	SU_TR	20.43	14.08
tblVehicleTrips	WD_TR	44.32	30.55
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

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

Area	0.3230	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003
Energy	9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	82.0828	82.0828	0.0104	2.2900e-003	83.0264
Mobile	0.8938	1.2745	5.7020	0.0122	1.1674	0.0185	1.1858	0.3123	0.0174	0.3297	0.0000	1,191.5116	1,191.5116	0.0792	0.0000	1,193.4926
Waste						0.0000	0.0000		0.0000	0.0000	15.5471	0.0000	15.5471	0.9188	0.0000	38.5172
Water						0.0000	0.0000		0.0000	0.0000	1.9115	3.8147	5.7262	7.1200e-003	4.2700e-003	7.1760
Total	1.2177	1.2830	5.7098	0.0122	1.1674	0.0191	1.1865	0.3123	0.0180	0.3303	17.4586	1,277.4103	1,294.8689	1.0156	6.5600e-003	1,322.2136

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3230	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003
Energy	9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	82.0828	82.0828	0.0104	2.2900e-003	83.0264
Mobile	0.8938	1.2745	5.7020	0.0122	1.1674	0.0185	1.1858	0.3123	0.0174	0.3297	0.0000	1,191.5116	1,191.5116	0.0792	0.0000	1,193.4926
Waste						0.0000	0.0000		0.0000	0.0000	15.5471	0.0000	15.5471	0.9188	0.0000	38.5172
Water						0.0000	0.0000		0.0000	0.0000	1.9115	3.8147	5.7262	7.1200e-003	4.2700e-003	7.1760
Total	1.2177	1.2830	5.7098	0.0122	1.1674	0.0191	1.1865	0.3123	0.0180	0.3303	17.4586	1,277.4103	1,294.8689	1.0156	6.5600e-003	1,322.2136

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8938	1.2745	5.7020	0.0122	1.1674	0.0185	1.1858	0.3123	0.0174	0.3297	0.0000	1,191.5116	1,191.5116	0.0792	0.0000	1,193.4926
Unmitigated	0.8938	1.2745	5.7020	0.0122	1.1674	0.0185	1.1858	0.3123	0.0174	0.3297	0.0000	1,191.5116	1,191.5116	0.0792	0.0000	1,193.4926

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	2,228.32	2,113.07	1,027.00	3,142,031	3,142,031
Total	2,228.32	2,113.07	1,027.00	3,142,031	3,142,031

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.585494	0.052026	0.183432	0.108306	0.021147	0.005027	0.013218	0.021288	0.001747	0.001302	0.005307	0.000926	0.000779

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	72.8579	72.8579	0.0103	2.1200e-003	73.7467
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	72.8579	72.8579	0.0103	2.1200e-003	73.7467
NaturalGas Mitigated	9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2249	9.2249	1.8000e-004	1.7000e-004	9.2797
NaturalGas Unmitigated	9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2249	9.2249	1.8000e-004	1.7000e-004	9.2797

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					
Strip Mall	172868	9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2249	9.2249	1.8000e-004	1.7000e-004	9.2797
Total		9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2249	9.2249	1.8000e-004	1.7000e-004	9.2797

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	172868	9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2249	9.2249	1.8000e-004	1.7000e-004	9.2797
Total		9.3000e-004	8.4700e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2249	9.2249	1.8000e-004	1.7000e-004	9.2797

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	779729	72.8579	0.0103	2.1200e-003	73.7467
Total		72.8579	0.0103	2.1200e-003	73.7467

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	779729	72.8579	0.0103	2.1200e-003	73.7467

Total		72.8579	0.0103	2.1200e-003	73.7467
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3230	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003
Unmitigated	0.3230	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0380					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003

Total	0.3230	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003
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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	0.0380					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003
Total	0.3230	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3000e-003	1.3000e-003	0.0000	0.0000	1.3900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7262	7.1200e-003	4.2700e-003	7.1760
Unmitigated	5.7262	7.1200e-003	4.2700e-003	7.1760

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	5.40285 / 3.31142	5.7262	7.1200e-003	4.2700e-003	7.1760
Total		5.7262	7.1200e-003	4.2700e-003	7.1760

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	5.40285 / 3.31142	5.7262	7.1200e-003	4.2700e-003	7.1760
Total		5.7262	7.1200e-003	4.2700e-003	7.1760

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.5471	0.9188	0.0000	38.5172
Unmitigated	15.5471	0.9188	0.0000	38.5172

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	76.59	15.5471	0.9188	0.0000	38.5172
Total		15.5471	0.9188	0.0000	38.5172

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	76.59	15.5471	0.9188	0.0000	38.5172

Total		15.5471	0.9188	0.0000	38.5172
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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

1777 Saratoga Site - Existing Operational - Santa Clara County, Annual

1777 Saratoga Site - Existing Operational

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.18	1000sqft	0.58	25,184.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - PG&E 2018 rate
- Land Use - Based on Traffic. -
- Construction Phase - no construction
- Off-road Equipment - no construction
- Vehicle Trips - Based on traffic 226 total trips/25,184sf (8.97,2.00,0.85)
- Woodstoves - No hearths
- Water And Wastewater - All wastewater treatment at SJ plant
- Grading - no construction
- Trips and VMT - no construction

Vehicle Emission Factors - EMFAC2017 Santa Clara County Emissions Factors 2020

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.60	0.59
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.18
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	4.9810e-003	5.0275e-003
tblFleetMix	MCY	5.3630e-003	5.3073e-003
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MH	7.8500e-004	7.7873e-004
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	2.0830e-003	1.7473e-003
tblFleetMix	SBUS	6.2000e-004	9.2634e-004
tblFleetMix	UBUS	1.5710e-003	1.3021e-003
tblLandUse	LandUseSquareFeet	25,180.00	25,184.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblVehicleEF	HHD	0.52	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.70	5.38
tblVehicleEF	HHD	1.02	0.76
tblVehicleEF	HHD	3.82	6.2050e-003
tblVehicleEF	HHD	4,650.35	1,078.53
tblVehicleEF	HHD	1,665.34	1,581.53
tblVehicleEF	HHD	11.77	0.06

tblVehicleEF	HHD	22.38	6.03
tblVehicleEF	HHD	4.47	4.62
tblVehicleEF	HHD	19.49	1.73
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.07
tblVehicleEF	HHD	1.1700e-004	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8180e-003	8.8630e-003
tblVehicleEF	HHD	0.02	0.07
tblVehicleEF	HHD	1.0800e-004	1.0000e-006
tblVehicleEF	HHD	1.1200e-004	5.0000e-006
tblVehicleEF	HHD	6.3600e-003	2.2500e-004
tblVehicleEF	HHD	0.69	0.44
tblVehicleEF	HHD	6.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.5200e-004	1.4070e-003
tblVehicleEF	HHD	0.13	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.8200e-004	1.0000e-006
tblVehicleEF	HHD	1.1200e-004	5.0000e-006
tblVehicleEF	HHD	6.3600e-003	2.2500e-004
tblVehicleEF	HHD	0.80	0.50
tblVehicleEF	HHD	6.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.5200e-004	1.4070e-003
tblVehicleEF	HHD	0.14	3.0000e-006

tbIVehicleEF	LDA	4.5620e-003	3.0610e-003
tbIVehicleEF	LDA	7.2750e-003	0.06
tbIVehicleEF	LDA	0.61	0.74
tbIVehicleEF	LDA	1.49	2.38
tbIVehicleEF	LDA	265.03	264.68
tbIVehicleEF	LDA	61.46	56.07
tbIVehicleEF	LDA	0.06	0.05
tbIVehicleEF	LDA	0.10	0.22
tbIVehicleEF	LDA	1.7250e-003	1.5800e-003
tbIVehicleEF	LDA	2.2880e-003	1.9810e-003
tbIVehicleEF	LDA	1.5900e-003	1.4560e-003
tbIVehicleEF	LDA	2.1040e-003	1.8220e-003
tbIVehicleEF	LDA	0.04	0.05
tbIVehicleEF	LDA	0.11	0.11
tbIVehicleEF	LDA	0.03	0.04
tbIVehicleEF	LDA	0.01	0.01
tbIVehicleEF	LDA	0.04	0.23
tbIVehicleEF	LDA	0.10	0.29
tbIVehicleEF	LDA	2.6540e-003	8.7000e-005
tbIVehicleEF	LDA	6.4000e-004	0.00
tbIVehicleEF	LDA	0.04	0.05
tbIVehicleEF	LDA	0.11	0.11
tbIVehicleEF	LDA	0.03	0.04
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.04	0.23
tbIVehicleEF	LDA	0.11	0.32
tbIVehicleEF	LDT1	0.01	6.5560e-003
tbIVehicleEF	LDT1	0.02	0.08
tbIVehicleEF	LDT1	1.36	1.36
tbIVehicleEF	LDT1	3.24	2.64

tbIVehicleEF	LDT1	322.57	314.05
tbIVehicleEF	LDT1	74.06	67.50
tbIVehicleEF	LDT1	0.14	0.12
tbIVehicleEF	LDT1	0.18	0.29
tbIVehicleEF	LDT1	2.5170e-003	2.2660e-003
tbIVehicleEF	LDT1	3.3150e-003	2.7710e-003
tbIVehicleEF	LDT1	2.3180e-003	2.0860e-003
tbIVehicleEF	LDT1	3.0490e-003	2.5480e-003
tbIVehicleEF	LDT1	0.10	0.11
tbIVehicleEF	LDT1	0.26	0.21
tbIVehicleEF	LDT1	0.08	0.08
tbIVehicleEF	LDT1	0.03	0.03
tbIVehicleEF	LDT1	0.18	0.74
tbIVehicleEF	LDT1	0.22	0.43
tbIVehicleEF	LDT1	3.2420e-003	2.5610e-003
tbIVehicleEF	LDT1	7.9800e-004	0.00
tbIVehicleEF	LDT1	0.10	0.11
tbIVehicleEF	LDT1	0.26	0.21
tbIVehicleEF	LDT1	0.08	0.08
tbIVehicleEF	LDT1	0.04	0.04
tbIVehicleEF	LDT1	0.18	0.74
tbIVehicleEF	LDT1	0.24	0.47
tbIVehicleEF	LDT2	6.4900e-003	4.4900e-003
tbIVehicleEF	LDT2	9.3170e-003	0.08
tbIVehicleEF	LDT2	0.83	1.01
tbIVehicleEF	LDT2	1.92	3.10
tbIVehicleEF	LDT2	369.46	346.93
tbIVehicleEF	LDT2	85.12	75.00
tbIVehicleEF	LDT2	0.09	0.10
tbIVehicleEF	LDT2	0.16	0.35

tblVehicleEF	LDT2	1.6360e-003	1.5660e-003
tblVehicleEF	LDT2	2.2210e-003	1.9310e-003
tblVehicleEF	LDT2	1.5040e-003	1.4410e-003
tblVehicleEF	LDT2	2.0430e-003	1.7760e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.45
tblVehicleEF	LDT2	0.13	0.39
tblVehicleEF	LDT2	3.7010e-003	0.01
tblVehicleEF	LDT2	8.8400e-004	9.1000e-005
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.45
tblVehicleEF	LDT2	0.14	0.43
tblVehicleEF	LHD1	6.2340e-003	5.6860e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.19
tblVehicleEF	LHD1	1.31	1.02
tblVehicleEF	LHD1	3.15	1.23
tblVehicleEF	LHD1	8.98	9.13
tblVehicleEF	LHD1	713.46	837.42
tblVehicleEF	LHD1	34.78	12.75
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.42	1.05
tblVehicleEF	LHD1	1.13	0.37

tblVehicleEF	LHD1	8.5300e-004	7.7000e-004
tblVehicleEF	LHD1	9.8970e-003	9.6220e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.1500e-003	3.0500e-004
tblVehicleEF	LHD1	8.1600e-004	7.3700e-004
tblVehicleEF	LHD1	2.4740e-003	2.4060e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0590e-003	2.8100e-004
tblVehicleEF	LHD1	2.9040e-003	2.4030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4230e-003	1.1790e-003
tblVehicleEF	LHD1	0.14	0.11
tblVehicleEF	LHD1	0.34	0.62
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	7.0210e-003	8.1860e-003
tblVehicleEF	LHD1	4.0800e-004	1.2600e-004
tblVehicleEF	LHD1	2.9040e-003	2.4030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4230e-003	1.1790e-003
tblVehicleEF	LHD1	0.17	0.14
tblVehicleEF	LHD1	0.34	0.62
tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.0630e-003	3.5440e-003
tblVehicleEF	LHD2	0.01	8.7930e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.68	0.77

tblVehicleEF	LHD2	1.50	0.75
tblVehicleEF	LHD2	14.10	14.26
tblVehicleEF	LHD2	728.87	809.32
tblVehicleEF	LHD2	25.76	8.63
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.10	1.29
tblVehicleEF	LHD2	0.57	0.22
tblVehicleEF	LHD2	1.3170e-003	1.3780e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.0900e-004	1.6100e-004
tblVehicleEF	LHD2	1.2600e-003	1.3190e-003
tblVehicleEF	LHD2	2.6740e-003	2.6690e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.6800e-004	1.4800e-004
tblVehicleEF	LHD2	1.1000e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	5.4900e-004	6.5500e-004
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.10	0.37
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	1.3800e-004	1.3600e-004
tblVehicleEF	LHD2	7.0950e-003	7.8220e-003
tblVehicleEF	LHD2	2.8500e-004	8.5000e-005
tblVehicleEF	LHD2	1.1000e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.4900e-004	6.5500e-004
tblVehicleEF	LHD2	0.14	0.15

tblVehicleEF	LHD2	0.10	0.37
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.44	0.33
tblVehicleEF	MCY	0.16	0.26
tblVehicleEF	MCY	19.82	20.00
tblVehicleEF	MCY	10.12	8.95
tblVehicleEF	MCY	168.14	210.53
tblVehicleEF	MCY	46.41	62.15
tblVehicleEF	MCY	1.16	1.16
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	1.8900e-003	1.8410e-003
tblVehicleEF	MCY	4.0800e-003	3.2620e-003
tblVehicleEF	MCY	1.7710e-003	1.7250e-003
tblVehicleEF	MCY	3.8550e-003	3.0800e-003
tblVehicleEF	MCY	0.91	1.83
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	0.50	1.01
tblVehicleEF	MCY	2.27	2.28
tblVehicleEF	MCY	0.64	2.21
tblVehicleEF	MCY	2.25	1.98
tblVehicleEF	MCY	2.0710e-003	2.0830e-003
tblVehicleEF	MCY	6.9600e-004	6.1500e-004
tblVehicleEF	MCY	0.91	1.83
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	0.50	1.01
tblVehicleEF	MCY	2.79	2.80
tblVehicleEF	MCY	0.64	2.21
tblVehicleEF	MCY	2.44	2.16
tblVehicleEF	MDV	0.01	6.1720e-003
tblVehicleEF	MDV	0.02	0.10

tblVehicleEF	MDV	1.47	1.24
tblVehicleEF	MDV	3.59	3.71
tblVehicleEF	MDV	487.26	420.60
tblVehicleEF	MDV	110.36	90.34
tblVehicleEF	MDV	0.19	0.14
tblVehicleEF	MDV	0.33	0.44
tblVehicleEF	MDV	1.9100e-003	1.7830e-003
tblVehicleEF	MDV	2.6380e-003	2.2440e-003
tblVehicleEF	MDV	1.7630e-003	1.6450e-003
tblVehicleEF	MDV	2.4290e-003	2.0650e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.18	0.16
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.29	0.52
tblVehicleEF	MDV	4.8850e-003	4.1580e-003
tblVehicleEF	MDV	1.1670e-003	8.9400e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.18	0.16
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.31	0.57
tblVehicleEF	MH	0.05	0.02
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.56	2.05
tblVehicleEF	MH	7.30	2.50
tblVehicleEF	MH	1,229.07	1,611.87
tblVehicleEF	MH	61.91	20.50

tblVehicleEF	MH	1.59	1.60
tblVehicleEF	MH	0.96	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5660e-003	3.5200e-004
tblVehicleEF	MH	3.2120e-003	3.2600e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4480e-003	3.2500e-004
tblVehicleEF	MH	1.05	0.96
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.15	0.10
tblVehicleEF	MH	0.02	1.93
tblVehicleEF	MH	0.44	0.12
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.4700e-004	2.0300e-004
tblVehicleEF	MH	1.05	0.96
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.20	0.14
tblVehicleEF	MH	0.02	1.93
tblVehicleEF	MH	0.48	0.13
tblVehicleEF	MHD	0.02	3.3020e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.06	9.8030e-003
tblVehicleEF	MHD	0.46	0.36
tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	8.00	1.27
tblVehicleEF	MHD	140.29	78.16
tblVehicleEF	MHD	1,210.30	1,180.29

tblVehicleEF	MHD	62.15	9.18
tblVehicleEF	MHD	0.89	0.73
tblVehicleEF	MHD	2.30	3.39
tblVehicleEF	MHD	10.47	1.06
tblVehicleEF	MHD	2.8510e-003	2.6060e-003
tblVehicleEF	MHD	0.05	0.09
tblVehicleEF	MHD	1.0450e-003	1.3000e-004
tblVehicleEF	MHD	2.7280e-003	2.4930e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	9.6100e-004	1.1900e-004
tblVehicleEF	MHD	1.1800e-003	5.4800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.7100e-004	2.6100e-004
tblVehicleEF	MHD	0.12	0.24
tblVehicleEF	MHD	0.03	0.14
tblVehicleEF	MHD	0.47	0.06
tblVehicleEF	MHD	1.3510e-003	7.4100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6200e-004	9.1000e-005
tblVehicleEF	MHD	1.1800e-003	5.4800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	5.7100e-004	2.6100e-004
tblVehicleEF	MHD	0.15	0.28
tblVehicleEF	MHD	0.03	0.14
tblVehicleEF	MHD	0.52	0.06
tblVehicleEF	OBUS	0.01	7.6010e-003
tblVehicleEF	OBUS	0.01	9.9430e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.29	0.57
tblVehicleEF	OBUS	0.65	0.90
tblVehicleEF	OBUS	5.78	2.02
tblVehicleEF	OBUS	110.21	99.74
tblVehicleEF	OBUS	1,322.53	1,402.55
tblVehicleEF	OBUS	67.52	15.98
tblVehicleEF	OBUS	0.66	0.69
tblVehicleEF	OBUS	2.30	2.31
tblVehicleEF	OBUS	2.92	0.92
tblVehicleEF	OBUS	3.1200e-004	2.9700e-003
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	7.2600e-004	1.4400e-004
tblVehicleEF	OBUS	2.9900e-004	2.8410e-003
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	6.6800e-004	1.3300e-004
tblVehicleEF	OBUS	1.1970e-003	1.0920e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	5.1100e-004	4.7000e-004
tblVehicleEF	OBUS	0.08	0.13
tblVehicleEF	OBUS	0.03	0.17
tblVehicleEF	OBUS	0.36	0.10
tblVehicleEF	OBUS	1.0630e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.5800e-004
tblVehicleEF	OBUS	1.1970e-003	1.0920e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	5.1100e-004	4.7000e-004
tblVehicleEF	OBUS	0.10	0.15

tblVehicleEF	OBUS	0.03	0.17
tblVehicleEF	OBUS	0.40	0.11
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.02	7.1250e-003
tblVehicleEF	SBUS	0.10	4.2090e-003
tblVehicleEF	SBUS	7.94	1.89
tblVehicleEF	SBUS	1.35	0.58
tblVehicleEF	SBUS	11.03	0.64
tblVehicleEF	SBUS	1,147.37	347.29
tblVehicleEF	SBUS	1,074.56	1,091.13
tblVehicleEF	SBUS	53.01	3.52
tblVehicleEF	SBUS	10.41	3.76
tblVehicleEF	SBUS	4.78	5.50
tblVehicleEF	SBUS	12.80	0.69
tblVehicleEF	SBUS	0.01	4.8070e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	8.5500e-004	3.8000e-005
tblVehicleEF	SBUS	0.01	4.5990e-003
tblVehicleEF	SBUS	2.6490e-003	2.7520e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.8600e-004	3.5000e-005
tblVehicleEF	SBUS	3.8820e-003	4.4100e-004
tblVehicleEF	SBUS	0.04	4.2270e-003
tblVehicleEF	SBUS	0.96	0.21
tblVehicleEF	SBUS	1.4980e-003	1.7000e-004
tblVehicleEF	SBUS	0.13	0.10
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.55	0.02
tblVehicleEF	SBUS	0.01	3.3020e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	3.5000e-005
tblVehicleEF	SBUS	3.8820e-003	4.4100e-004
tblVehicleEF	SBUS	0.04	4.2270e-003
tblVehicleEF	SBUS	1.38	0.30
tblVehicleEF	SBUS	1.4980e-003	1.7000e-004
tblVehicleEF	SBUS	0.17	0.11
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.60	0.03
tblVehicleEF	UBUS	0.28	1.38
tblVehicleEF	UBUS	0.04	2.5800e-003
tblVehicleEF	UBUS	5.74	10.36
tblVehicleEF	UBUS	7.96	0.14
tblVehicleEF	UBUS	2,147.22	1,606.71
tblVehicleEF	UBUS	88.39	1.64
tblVehicleEF	UBUS	12.54	0.73
tblVehicleEF	UBUS	15.64	0.02
tblVehicleEF	UBUS	0.63	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.29	5.2780e-003
tblVehicleEF	UBUS	9.6700e-004	2.0000e-006
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	8.3320e-003
tblVehicleEF	UBUS	0.27	5.0490e-003
tblVehicleEF	UBUS	8.8900e-004	2.0000e-006
tblVehicleEF	UBUS	2.2470e-003	1.5400e-004
tblVehicleEF	UBUS	0.04	2.3510e-003
tblVehicleEF	UBUS	1.0240e-003	9.7000e-005
tblVehicleEF	UBUS	0.79	0.02
tblVehicleEF	UBUS	7.8890e-003	0.02

tblVehicleEF	UBUS	0.54	0.01
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0250e-003	1.6000e-005
tblVehicleEF	UBUS	2.2470e-003	1.5400e-004
tblVehicleEF	UBUS	0.04	2.3510e-003
tblVehicleEF	UBUS	1.0240e-003	9.7000e-005
tblVehicleEF	UBUS	1.13	1.41
tblVehicleEF	UBUS	7.8890e-003	0.02
tblVehicleEF	UBUS	0.59	0.01
tblVehicleTrips	ST_TR	2.46	2.00
tblVehicleTrips	SU_TR	1.05	0.85
tblVehicleTrips	WD_TR	11.03	8.97
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1115	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Energy	2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	63.9573	63.9573	6.3300e-003	1.6300e-003	64.5999
Mobile	0.0812	0.1487	0.6406	1.5800e-003	0.1524	2.3200e-003	0.1547	0.0408	2.1900e-003	0.0430	0.0000	152.5540	152.5540	7.9600e-003	0.0000	152.7530
Waste						0.0000	0.0000		0.0000	0.0000	4.7541	0.0000	4.7541	0.2810	0.0000	11.7780

Water						0.0000	0.0000		0.0000	0.0000	1.5834	3.1598	4.7432	5.8900e-003	3.5400e-003	5.9441
Total	0.1950	0.1689	0.6578	1.7000e-003	0.1524	3.8600e-003	0.1562	0.0408	3.7300e-003	0.0445	6.3374	219.6716	226.0090	0.3011	5.1700e-003	235.0754

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1115	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Energy	2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	63.9573	63.9573	6.3300e-003	1.6300e-003	64.5999
Mobile	0.0812	0.1487	0.6406	1.5800e-003	0.1524	2.3200e-003	0.1547	0.0408	2.1900e-003	0.0430	0.0000	152.5540	152.5540	7.9600e-003	0.0000	152.7530
Waste						0.0000	0.0000		0.0000	0.0000	4.7541	0.0000	4.7541	0.2810	0.0000	11.7780
Water						0.0000	0.0000		0.0000	0.0000	1.5834	3.1598	4.7432	5.8900e-003	3.5400e-003	5.9441
Total	0.1950	0.1689	0.6578	1.7000e-003	0.1524	3.8600e-003	0.1562	0.0408	3.7300e-003	0.0445	6.3374	219.6716	226.0090	0.3011	5.1700e-003	235.0754

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0812	0.1487	0.6406	1.5800e-003	0.1524	2.3200e-003	0.1547	0.0408	2.1900e-003	0.0430	0.0000	152.5540	152.5540	7.9600e-003	0.0000	152.7530
Unmitigated	0.0812	0.1487	0.6406	1.5800e-003	0.1524	2.3200e-003	0.1547	0.0408	2.1900e-003	0.0430	0.0000	152.5540	152.5540	7.9600e-003	0.0000	152.7530

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	225.86	50.36	21.40	410,043	410,043
Total	225.86	50.36	21.40	410,043	410,043

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-	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.585494	0.052026	0.183432	0.108306	0.021147	0.005027	0.013218	0.021288	0.001747	0.001302	0.005307	0.000926	0.000779

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	0.0000	41.9574	41.9574	5.9100e-003	1.2200e-003	42.4693
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.0000	41.9574	41.9574	5.9100e-003	1.2200e-003	42.4693
NaturalGas Mitigated	2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	21.9999	21.9999	4.2000e-004	4.0000e-004	22.1306	
NaturalGas Unmitigated	2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	21.9999	21.9999	4.2000e-004	4.0000e-004	22.1306	

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	412262	2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	21.9999	21.9999	4.2000e-004	4.0000e-004	22.1306
Total		2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	21.9999	21.9999	4.2000e-004	4.0000e-004	22.1306

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	412262	2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	21.9999	21.9999	4.2000e-004	4.0000e-004	22.1306

Total		2.2200e-003	0.0202	0.0170	1.2000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	21.9999	21.9999	4.2000e-004	4.0000e-004	22.1306
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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	449031	41.9574	5.9100e-003	1.2200e-003	42.4693
Total		41.9574	5.9100e-003	1.2200e-003	42.4693

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	449031	41.9574	5.9100e-003	1.2200e-003	42.4693
Total		41.9574	5.9100e-003	1.2200e-003	42.4693

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1115	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Unmitigated	0.1115	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0984					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Total	0.1115	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0984					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Total	0.1115	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.7432	5.8900e-003	3.5400e-003	5.9441
Unmitigated	4.7432	5.8900e-003	3.5400e-003	5.9441

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
General Office Building	4.47534 / 2.74295	4.7432	5.8900e-003	3.5400e-003	5.9441
Total		4.7432	5.8900e-003	3.5400e-003	5.9441

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.47534 / 2.74295	4.7432	5.8900e-003	3.5400e-003	5.9441
Total		4.7432	5.8900e-003	3.5400e-003	5.9441

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.7541	0.2810	0.0000	11.7780

Unmitigated	4.7541	0.2810	0.0000	11.7780
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.42	4.7541	0.2810	0.0000	11.7780
Total		4.7541	0.2810	0.0000	11.7780

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.42	4.7541	0.2810	0.0000	11.7780
Total		4.7541	0.2810	0.0000	11.7780

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

Attachment 2: EMFAC2017 Emissions and CARB SAFE Off-Model Adjustment Factors

El Paseo Demo Bldg 3 CalEEMod Construction Inputs

Phase	CalEEMod		Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	Worker VMT	Vendor VMT	Hauling VMT
	WORKER TRIPS	CalEEMod VENDOR TRIPS												
Demolition	33	0	1320	0	906	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	14256	0	18120
Site Preparation	8	0	288	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	3110.4	0	0
Grading	30	0	2580	0	6,875	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	27864	0	137500
Trenching	15	0	1200	0	2800	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	12960	0	20440
Concrete	59	25	885	375	0	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	9558	2737.5	0
Building Construction	59	25	8083	3425	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	87296.4	25002.5	0
Architectural Coating	12	0	564	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	6091.2	0	0
Paving	18	0	1422	0	216	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	15357.6	0	1576.8

Number of Days Per Year

2024	9/1/24	12/31/24	122	87
2025	1/1/25	12/31/25	365	261
2026	1/1/26	7/20/26	201	143
			688	491 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	9/1/2024	10/26/2024	5	40
Site Preparation	11/1/2024	12/21/2024	5	36
Grading	11/1/2024	3/1/2025	5	86
Trenching	3/3/2025	6/21/2025	5	80
Concrete	6/10/2025	6/30/2025	5	15
Building Construction	7/1/2025	1/7/2026	5	137
Architectural Coating	1/15/2026	3/21/2026	5	47
Paving	4/1/2026	7/20/2026	5	79

El Paseo Bldgs 1 & 2 CalEEMod Construction Inputs

Phase	CalEEMod		Total	Total	CalEEMod	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor Vehicle	Hauling Vehicle	Worker	Vendor	Hauling
	WORKER	CalEEMod	Worker	Vendor	HAULING	Length	Length	Length	Class	Class	Class	VMT	VMT	VMT
	TRIPS	VENDOR TRIPS	Trips	Trips	TRIPS									
Site Preparation Bldg 1	8	0	352	0	300	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	3801.6	0	2190
Site Preparation Bldg 2	10	0	450	0	300	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	4860	0	2190
Grading Bldgs 1 & 2	35	0	5670	0	12,063	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	61236	0	88059.9
Trenching Bldgs 1 & 2	20	0	1800	0	4400	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	19440	0	32120
Building Construction Bldg 1	734	153	157810	32895	3060	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1704348	240133.5	22338
Building Construction Bldg 2	734	153	165150	34425	3320	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1783620	251302.5	24236
Architectural Coating Bldg 1	147	0	33810	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	365148	0	0
Architectural Coating Bldg 2	147	0	41748	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	450878.4	0	0
Paving Bldg 1	15	0	1245	0	120	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	13446	0	876
Paving Bldg 2	15	0	1380	0	120	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	14904	0	876

Number of Days Per Year

2025	4/1/25	12/31/25	275	197
2026	1/1/26	12/31/26	365	261
2027	1/1/27	12/31/27	365	261
2028	1/1/28	10/7/2028	281	200
			1286	919 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation Bldg 1	4/1/2025	5/31/2025	5	44
Site Preparation Bldg 2	6/3/2025	8/4/2025	5	45
Grading Bldgs 1 & 2	6/5/2025	1/16/2026	5	162
Trenching Bldgs 1 & 2	1/20/2026	5/25/2026	5	90
Building Construction Bldg 1	6/1/2026	3/28/2027	5	215
Building Construction Bldg 2	8/1/2026	6/11/2027	5	225
Architectural Coating Bldg 1	12/1/2026	10/18/2027	5	230
Architectural Coating Bldg 2	7/1/2027	8/1/2028	5	284
Paving Bldg 1	9/1/2027	12/24/2027	5	83
Paving Bldg 2	6/1/2028	10/7/2028	5	92

Saratoga Bldgs 4A and 4B CalEEMod Construction Inputs

Phase	CalEEMod		Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	Worker VMT	Vendor VMT	Hauling VMT
	WORKER TRIPS	CalEEMod VENDOR TRIPS												
Demolition	18	0	774	0	265	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	8359.2	0	1934.5
Site Preparation	13	0	312	0	12	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	3369.6	0	87.6
Grading	30	0	2760	0	3,500	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	29808	0	25550
Trenching	15	0	1305	0	1700	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	14094	0	12410
Building Construction	228	40	58368	10240	0	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	630374.4	74752	0
Architectural Coating	46	0	10810	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	116748	0	0
Paving	18	0	738	0	137	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	7970.4	0	1000.1

Number of Days Per Year

2026	8/1/26	12/31/26	153	109
2027	1/1/27	12/31/27	365	261
2028	1/1/28	12/31/28	366	260
2029	1/1/29	7/28/2029	209	150
			1093	780 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	8/1/2026	9/30/2026	5	43
Site Preparation	10/5/2026	11/5/2026	5	24
Grading	11/15/2026	3/23/2027	5	92
Trenching	4/1/2027	7/31/2027	5	87
Building Construction	8/11/2027	8/2/2028	5	256
Architectural Coating	8/2/2028	6/26/2029	5	235
Paving	6/1/2029	7/28/2029	5	41

Unmitigated El Paseo Demo Bldg 3 Summary of Construction Traffic Emissions (EMFAC2017)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NBio- CO2 Metric Tons
	<i>Tons</i>										
Criteria Pollutants											
2024	0.0045	0.1277	0.0601	0.0006	0.0223	0.0065	0.0289	0.0034	0.0030	0.0064	61.5552
2025	0.0131	0.3793	0.1754	0.0018	0.0668	0.0195	0.0863	0.0100	0.0091	0.0191	180.5385
2026	0.0070	0.2070	0.0946	0.0010	0.0368	0.0108	0.0475	0.0055	0.0050	0.0105	97.3839
Toxic Air Contaminants (1 Mile Trip Length)											
2024	0.0034	0.0285	0.0268	0.0001	0.0018	0.0005	0.0023	0.0003	0.0002	0.0005	6.9497
2025	0.0097	0.0846	0.0791	0.0002	0.0054	0.0015	0.0069	0.0008	0.0007	0.0015	20.3978
2026	0.0051	0.0463	0.0430	0.0001	0.0030	0.0008	0.0038	0.0004	0.0004	0.0008	11.0109

Unmitigated El Paseo Bldgs 1 & 2 Summary of Construction Traffic Emissions (EMFAC2017)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	NBio- CO2 Metric Tons
					PM10	PM10	Total	PM2.5	PM2.5	Total	
<i>Tons</i>											
Criteria Pollutants											
2025	0.0786	0.5493	0.9488	0.0045	0.3585	0.0684	0.4269	0.0539	0.0294	0.0834	441.3048
2026	0.0988	0.7192	1.2083	0.0059	0.4758	0.0907	0.5665	0.0716	0.0390	0.1105	573.4931
2027	0.0940	0.7093	1.1650	0.0058	0.4758	0.0906	0.5663	0.0716	0.0388	0.1104	561.4885
2028	0.0690	0.5398	0.8690	0.0044	0.3663	0.0696	0.4359	0.0551	0.0298	0.0849	423.6747

Toxic Air Contaminants (1 Mile Trip Length)											
2025	0.0688	0.2016	0.3755	0.0006	0.0353	0.0074	0.0427	0.0053	0.0033	0.0086	66.8503
2026	0.0869	0.2647	0.4847	0.0008	0.0468	0.0098	0.0566	0.0070	0.0044	0.0114	86.9492
2027	0.0830	0.2620	0.4726	0.0008	0.0468	0.0098	0.0566	0.0070	0.0044	0.0114	85.1829
2028	0.0611	0.2001	0.3557	0.0006	0.0360	0.0075	0.0436	0.0054	0.0033	0.0088	64.2888

Unmitigated Saratoga Bldgs 4A and 4B Summary of Construction Traffic Emissions (EMFAC2017)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	NBio- CO2 Metric Tons
					PM10	PM10	Total	PM2.5	PM2.5	Total	
<i>Tons</i>											
Criteria Pollutants											
2026	0.0089	0.0633	0.1089	0.0005	0.0427	0.0081	0.0508	0.0064	0.0035	0.0099	50.9366
2027	0.0202	0.1489	0.2504	0.0012	0.1020	0.0192	0.1212	0.0153	0.0082	0.0236	118.9583
2028	0.0193	0.1476	0.2433	0.0012	0.1022	0.0192	0.1215	0.0154	0.0082	0.0236	116.8994
2029	0.0105	0.0828	0.1350	0.0007	0.0584	0.0110	0.0693	0.0088	0.0047	0.0135	65.3333
Toxic Air Contaminants (1 Mile Trip Length)											
2026	0.0078	0.0234	0.0436	0.0001	0.0042	0.0009	0.0051	0.0006	0.0004	0.0010	7.7230
2027	0.0178	0.0553	0.1014	0.0002	0.0100	0.0021	0.0121	0.0015	0.0009	0.0024	18.0472
2028	0.0171	0.0550	0.0994	0.0002	0.0100	0.0021	0.0121	0.0015	0.0009	0.0024	17.7381
2029	0.0094	0.0310	0.0555	0.0001	0.0057	0.0012	0.0069	0.0009	0.0005	0.0014	9.9053

Mitigated El Paseo Demo Bldg 3 Summary of Construction Traffic Emissions (EMFAC2017)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	NBio- CO2 Metric Tons
					PM10	PM10	Total	PM2.5	PM2.5	Total	
<i>Tons</i>											
Criteria Pollutants											
2024	0.0032	0.1021	0.0601	0.0006	0.0223	0.0065	0.0289	0.0034	0.0030	0.0064	61.5552
2025	0.0092	0.3035	0.1754	0.0018	0.0668	0.0195	0.0863	0.0100	0.0091	0.0191	180.5385
2026	0.0049	0.1656	0.0946	0.0010	0.0368	0.0108	0.0475	0.0055	0.0050	0.0105	97.3839
Toxic Air Contaminants (1 Mile Trip Length)											
2024	0.0023	0.0228	0.0268	0.0001	0.0018	0.0005	0.0023	0.0003	0.0002	0.0005	6.9497
2025	0.0068	0.0677	0.0791	0.0002	0.0054	0.0015	0.0069	0.0008	0.0007	0.0015	20.3978
2026	0.0036	0.0370	0.0430	0.0001	0.0030	0.0008	0.0038	0.0004	0.0004	0.0008	11.0109

Mitigated El Paseo Bldgs 1 & 2 Summary of Construction Traffic Emissions (EMFAC2017)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	NBio- CO2 Metric Tons
					PM10	PM10	Total	PM2.5	PM2.5	Total	
<i>Tons</i>											
Criteria Pollutants											
2025	0.0550	0.4394	0.9488	0.0045	0.3585	0.0684	0.4269	0.0539	0.0294	0.0834	441.3048
2026	0.0692	0.5753	1.2083	0.0059	0.4758	0.0907	0.5665	0.0716	0.0390	0.1105	573.4931
2027	0.0658	0.5675	1.1650	0.0058	0.4758	0.0906	0.5663	0.0716	0.0388	0.1104	561.4885
2028	0.0483	0.4319	0.8690	0.0044	0.3663	0.0696	0.4359	0.0551	0.0298	0.0849	423.6747

Toxic Air Contaminants (1 Mile Trip Length)											
2025	0.0482	0.1613	0.3755	0.0006	0.0353	0.0074	0.0427	0.0053	0.0033	0.0086	66.8503
2026	0.0608	0.2117	0.4847	0.0008	0.0468	0.0098	0.0566	0.0070	0.0044	0.0114	86.9492
2027	0.0581	0.2096	0.4726	0.0008	0.0468	0.0098	0.0566	0.0070	0.0044	0.0114	85.1829
2028	0.0428	0.1601	0.3557	0.0006	0.0360	0.0075	0.0436	0.0054	0.0033	0.0088	64.2888

Mitigated Saratoga Bldgs 4A and 4B Summary of Construction Traffic Emissions (EMFAC2017)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	NBio- CO2 Metric Tons
					PM10	PM10	Total	PM2.5	PM2.5	Total	
Criteria Pollutants											
2026	0.0062	0.0506	0.1089	0.0005	0.0427	0.0081	0.0508	0.0064	0.0035	0.0099	50.9366
2027	0.0141	0.1191	0.2504	0.0012	0.1020	0.0192	0.1212	0.0153	0.0082	0.0236	118.9583
2028	0.0135	0.1180	0.2433	0.0012	0.1022	0.0192	0.1215	0.0154	0.0082	0.0236	116.8994
2029	0.0074	0.0662	0.1350	0.0007	0.0584	0.0110	0.0693	0.0088	0.0047	0.0135	65.3333
Toxic Air Contaminants (1 Mile Trip Length)											
2026	0.0055	0.0187	0.0436	0.0001	0.0042	0.0009	0.0051	0.0006	0.0004	0.0010	7.7230
2027	0.0125	0.0443	0.1014	0.0002	0.0100	0.0021	0.0121	0.0015	0.0009	0.0024	18.0472
2028	0.0120	0.0440	0.0994	0.0002	0.0100	0.0021	0.0121	0.0015	0.0009	0.0024	17.7381
2029	0.0065	0.0248	0.0555	0.0001	0.0057	0.0012	0.0069	0.0009	0.0005	0.0014	9.9053

Adjustment Factors for EMFAC2017 Gasoline Light Duty Vehicles							
Year	NOx Exhaust	TOG Evaporative	TOG Exhaust	PM Exhaust	CO Exhaust	CO2 Exhaust	
NA	1	1	1	1	1	1	
2021	1.0002	1.0001	1.0002	1.0009	1.0005	1.0023	
2022	1.0004	1.0003	1.0004	1.0018	1.0014	1.0065	
2023	1.0007	1.0006	1.0007	1.0032	1.0027	1.0126	
2024	1.0012	1.0010	1.0011	1.0051	1.0044	1.0207	
2025	1.0018	1.0016	1.0016	1.0074	1.0065	1.0309	
2026	1.0023	1.0022	1.0020	1.0091	1.0083	1.0394	
2027	1.0028	1.0028	1.0024	1.0105	1.0102	1.0475	
2028	1.0034	1.0035	1.0028	1.0117	1.0120	1.0554	
2029	1.0040	1.0042	1.0032	1.0129	1.0138	1.0629	
2030	1.0047	1.0051	1.0037	1.0142	1.0156	1.0702	
2031	1.0054	1.0061	1.0042	1.0155	1.0173	1.0770	
2032	1.0061	1.0072	1.0047	1.0169	1.0189	1.0834	
2033	1.0068	1.0083	1.0052	1.0182	1.0204	1.0893	
2034	1.0075	1.0095	1.0058	1.0196	1.0218	1.0947	
2035	1.0081	1.0108	1.0063	1.0210	1.0232	1.0997	
2036	1.0088	1.0121	1.0069	1.0223	1.0244	1.1041	
2037	1.0094	1.0134	1.0074	1.0236	1.0255	1.1080	
2038	1.0099	1.0148	1.0079	1.0248	1.0265	1.1114	
2039	1.0104	1.0161	1.0085	1.0259	1.0274	1.1143	
2040	1.0109	1.0174	1.0090	1.0270	1.0281	1.1168	
2041	1.0113	1.0186	1.0095	1.0279	1.0288	1.1189	
2042	1.0116	1.0198	1.0099	1.0286	1.0294	1.1207	
2043	1.0119	1.0207	1.0103	1.0293	1.0299	1.1221	
2044	1.0122	1.0216	1.0106	1.0299	1.0303	1.1233	
2045	1.0124	1.0225	1.0109	1.0303	1.0306	1.1243	
2046	1.0125	1.0233	1.0111	1.0308	1.0309	1.1251	
2047	1.0127	1.0240	1.0113	1.0311	1.0311	1.1258	
2048	1.0128	1.0246	1.0115	1.0314	1.0313	1.1263	
2049	1.0128	1.0252	1.0116	1.0316	1.0315	1.1268	
2050	1.0129	1.0257	1.0117	1.0318	1.0316	1.1272	
Enter Year:	2024	1.0012	1.001	1.0011	1.0051	1.0044	1.0207

*PM Exhaust off model factor is only applied to the PM Exhaust emissions not start/idle
The off-model adjustment factors need to be applied only to emissions from gasoline light duty vehicles (LDA, LDT1, LDT2 and MDV). Please note that the adjustment factors are by calendar year and includes all model years.

Enter NA in the date field if adjustments do not apply

CalEEMod EMFAC2017 Emission Factors Input 2020

Season	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	CH4_IDLEX	0	0	0	0	0.005686	0.003544	0.003302	0.025130628	0.007601	0	0	0.044219	0
A	CH4_RUNEX	0.003061	0.006556	0.00449	0.006172	0.011225	0.008793	0.013196	0.056648183	0.009943	1.380213	0.333827	0.007125	0.016859
A	CH4_STREX	0.06158	0.084069	0.081711	0.101413	0.019191	0.01103	0.009803	4.87779E-07	0.018855	0.00258	0.259776	0.004209	0.026132
A	CO_IDLEX	0	0	0	0	0.19047	0.142792	0.364797	5.381310661	0.565144	0	0	1.894787	0
A	CO_RUNEX	0.742675	1.362456	1.01183	1.242441	1.023891	0.771004	0.928211	0.756605562	0.900725	10.36097	19.99611	0.582408	2.050114
A	CO_STREX	2.382259	2.635734	3.099926	3.709349	1.229225	0.750524	1.267857	0.006205206	2.017869	0.139137	8.946242	0.637133	2.498592
A	CO2_NBIO_IDLEX	0	0	0	0	9.126201	14.25716	78.16002	1078.526034	99.74072	0	0	347.2943	0
A	CO2_NBIO_RUNEX	264.6828	314.0482	346.9281	420.5959	837.4163	809.3153	1180.288	1581.525685	1402.55	1606.707	210.5269	1091.129	1611.867
A	CO2_NBIO_STREX	56.06856	67.50385	74.99767	90.34237	12.75434	8.627124	9.18131	0.061222853	15.97991	1.640734	62.14697	3.524483	20.50394
A	NOX_IDLEX	0	0	0	0	0.062989	0.110446	0.732466	6.026695246	0.693057	0	0	3.763152	0
A	NOX_RUNEX	0.051286	0.12349	0.099615	0.13594	1.045086	1.287405	3.388912	4.619755776	2.309783	0.732277	1.158904	5.497143	1.598227
A	NOX_STREX	0.21937	0.294614	0.352885	0.441069	0.373271	0.217312	1.058606	1.728993809	0.915821	0.01786	0.270251	0.6899	0.250367
A	PM10_IDLEX	0	0	0	0	0.00077	0.001378	0.002606	0.012264788	0.00297	0	0	0.004807	0
A	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034	0.060814617	0.13034	0.069383	0.01176	0.7448	0.13034
A	PM10_PMTW	0.008	0.008	0.008	0.008	0.009622	0.010676	0.012	0.035452864	0.012	0.033326	0.004	0.011007	0.013038
A	PM10_RUNEX	0.00158	0.002266	0.001566	0.001783	0.012284	0.017883	0.093391	0.072838445	0.04036	0.005278	0.001841	0.035337	0.028863
A	PM10_STREX	0.001981	0.002771	0.001931	0.002244	0.000305	0.000161	0.00013	1.28049E-06	0.000144	1.65E-06	0.003262	3.77E-05	0.000352
A	PM25_IDLEX	0	0	0	0	0.000737	0.001319	0.002493	0.011734219	0.002841	0	0	0.004599	0
A	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586	0.026063407	0.05586	0.029736	0.00504	0.3192	0.05586
A	PM25_PMTW	0.002	0.002	0.002	0.002	0.002406	0.002669	0.003	0.008863216	0.003	0.008332	0.001	0.002752	0.00326
A	PM25_RUNEX	0.001456	0.002086	0.001441	0.001645	0.011699	0.01708	0.089345	0.069687459	0.038603	0.005049	0.001725	0.033796	0.027559
A	PM25_STREX	0.001822	0.002548	0.001776	0.002065	0.000281	0.000148	0.000119	1.17737E-06	0.000133	1.51E-06	0.00308	3.46E-05	0.000325
A	ROG_DIURN	0.049897	0.109593	0.067317	0.079133	0.002403	0.001364	0.000548	5.09091E-06	0.001092	0.000154	1.82709	0.000441	0.958556
A	ROG_HTSK	0.113581	0.205918	0.13728	0.158308	0.08972	0.05265	0.023627	0.000224773	0.016019	0.002351	0.72916	0.004227	0.078921
A	ROG_IDLEX	0	0	0	0	0.023424	0.017391	0.021795	0.437617719	0.059533	0	0	0.21059	0
A	ROG_RESTL	0.042415	0.083541	0.061521	0.073424	0.001179	0.000655	0.000261	2.79696E-06	0.00047	9.66E-05	1.008845	0.00017	0.31908
A	ROG_RUNEX	0.012464	0.029268	0.018784	0.028623	0.108818	0.124819	0.239523	0.171746984	0.126474	0.020121	2.281256	0.095562	0.102406
A	ROG_RUNLS	0.232821	0.742986	0.454221	0.498325	0.61609	0.372566	0.139895	0.001407463	0.170318	0.016034	2.208467	0.031837	1.931362
A	ROG_STREX	0.287888	0.428986	0.392576	0.519889	0.098309	0.05613	0.055312	2.55603E-06	0.098741	0.011044	1.981452	0.024031	0.116998
A	SO2_IDLEX	0	0	0	0	8.87E-05	0.000136	0.000741	0.01004173	0.000947	0	0	0.003302	0
A	SO2_RUNEX	8.68E-05	0.002561	0.011242	0.004158	0.008186	0.007822	0.011242	0.014529534	0.013507	0.011284	0.002083	0.010406	0.015831
A	SO2_STREX	0	0	9.09E-05	0.000894	0.000126	8.54E-05	9.09E-05	6.0585E-07	0.000158	1.62E-05	0.000615	3.49E-05	0.000203
A	TOG_DIURN	0.049897	0.109593	0.067317	0.079133	0.002403	0.001364	0.000548	5.09091E-06	0.001092	0.000154	1.82709	0.000441	0.958556
A	TOG_HTSK	0.113581	0.205918	0.13728	0.158308	0.08972	0.05265	0.023627	0.000224773	0.016019	0.002351	0.72916	0.004227	0.078921
A	TOG_IDLEX	0	0	0	0	0.033219	0.02368	0.028395	0.503029188	0.074788	0	0	0.299749	0
A	TOG_RESTL	0.042415	0.083541	0.061521	0.073424	0.001179	0.000655	0.000261	2.79696E-06	0.00047	9.66E-05	1.008845	0.00017	0.31908
A	TOG_RUNEX	0.018127	0.042626	0.027358	0.040223	0.136216	0.14774	0.277027	0.244583604	0.151881	1.409072	2.798146	0.114307	0.138289
A	TOG_RUNLS	0.232821	0.742986	0.454221	0.498325	0.61609	0.372566	0.139895	0.001407463	0.170318	0.016034	2.208467	0.031837	1.931362
A	TOG_STREX	0.315199	0.46968	0.42982	0.569149	0.107621	0.061456	0.06056	2.79853E-06	0.108081	0.012092	2.155713	0.026311	0.128055

CalEEMod EMFAC2017 Emission Factors Input 2030

Season	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	CH4_IDLEX	0	0	0	0	0.004148	0.002505	0.003832	0.024231453	0.007098	0	0	0.070082	0
A	CH4_RUNEX	0.000959	0.001671	0.001726	0.001772	0.005195	0.005339	0.001034	0.04518098	0.002197	1.859484	0.319087	0.004404	0.005027
A	CH4_STREX	0.028931	0.035248	0.041821	0.043924	0.009023	0.004811	0.008383	4.34672E-07	0.015222	0.002186	0.24786	0.006338	0.019545
A	CO_IDLEX	0	0	0	0	0.17731	0.131894	0.405402	6.28489984	0.644155	0	0	2.927328	0
A	CO_RUNEX	0.411156	0.540474	0.559142	0.551517	0.468742	0.489111	0.152189	0.405949458	0.262856	14.11073	17.60732	0.374881	0.311691
A	CO_STREX	1.716961	1.849789	2.287973	2.324828	0.890393	0.484256	0.872515	0.006685308	1.577018	0.139137	9.199577	0.858725	1.635194
A	CO2_NBIO_IDLEX	0	0	0	0	8.251826	13.00041	65.09769	930.0496847	97.36242	0	0	337.4754	0
A	CO2_NBIO_RUNEX	199.8584	241.4555	249.7974	301.1272	698.5465	679.813	993.4479	1226.348086	1210.85	1668.671	209.7572	970.5049	1350.267
A	CO2_NBIO_STREX	42.16672	51.55301	53.79124	63.46105	10.09364	6.438033	8.550649	0.051649278	13.46187	1.401901	59.22586	5.059627	15.54123
A	NOX_IDLEX	0	0	0	0	0.045908	0.074209	0.341766	5.199426871	0.431935	0	0	2.710433	0
A	NOX_RUNEX	0.019319	0.033468	0.034489	0.035665	0.299902	0.384329	1.428316	2.517362076	1.448391	0.706433	1.137409	3.086533	1.063099
A	NOX_STREX	0.125333	0.151052	0.168209	0.179169	0.225227	0.124883	1.689216	2.314548745	1.129093	0.015157	0.270173	1.184451	0.23668
A	PM10_IDLEX	0	0	0	0	0.000915	0.001502	0.000162	0.002145897	0.000142	0	0	0.002048	0
A	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034	0.061109857	0.13034	0.069383	0.01176	0.7448	0.13034
A	PM10_PMTW	0.008	0.008	0.008	0.008	0.009901	0.010844	0.012	0.035621239	0.012	0.033326	0.004	0.010676	0.013189
A	PM10_RUNEX	0.000929	0.00107	0.001025	0.001034	0.007019	0.013839	0.007006	0.023790073	0.007882	0.005116	0.002138	0.021245	0.016043
A	PM10_STREX	0.001275	0.001461	0.00134	0.001344	0.00021	0.000106	0.000112	5.80093E-07	0.000156	1.52E-05	0.002862	6.76E-05	0.000212
A	PM25_IDLEX	0	0	0	0	0.000875	0.001437	0.000155	0.002053066	0.000136	0	0	0.00196	0
A	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586	0.026189939	0.05586	0.029736	0.00504	0.3192	0.05586
A	PM25_PMTW	0.002	0.002	0.002	0.002	0.002475	0.002711	0.003	0.00890531	0.003	0.008332	0.001	0.002669	0.003297
A	PM25_RUNEX	0.000855	0.000984	0.000944	0.000954	0.006671	0.013218	0.006696	0.022760894	0.007526	0.004893	0.001994	0.02031	0.015312
A	PM25_STREX	0.001172	0.001344	0.001232	0.001236	0.000193	9.76E-05	0.000103	5.33374E-07	0.000144	1.4E-05	0.002676	6.22E-05	0.000195
A	ROG_DIURN	0.024903	0.046388	0.048996	0.057349	0.001403	0.000642	0.000289	1.32994E-06	0.001062	6.14E-05	1.786807	0.00087	0.347564
A	ROG_HTSK	0.061657	0.093564	0.089096	0.0981	0.054855	0.024352	0.013852	5.78076E-05	0.015622	0.000814	0.631299	0.008304	0.028392
A	ROG_IDLEX	0	0	0	0	0.01734	0.013466	0.01847	0.422100311	0.050126	0	0	0.322319	0
A	ROG_RESTL	0.022934	0.041206	0.048532	0.056738	0.000772	0.000374	0.000168	7.97633E-07	0.000487	3.58E-05	0.946881	0.000414	0.1401
A	ROG_RUNEX	0.003247	0.0065	0.006553	0.006887	0.072661	0.0982	0.011844	0.024014489	0.016744	0.026969	2.128511	0.060159	0.038911
A	ROG_RUNLS	0.170512	0.364405	0.336782	0.340289	0.429696	0.143744	0.071507	0.000284481	0.181965	0.004928	1.487321	0.053902	0.535482
A	ROG_STREX	0.118715	0.154126	0.182707	0.199251	0.043726	0.022756	0.041407	2.2699E-06	0.076636	0.009261	1.877593	0.036024	0.074231
A	SO2_IDLEX	0	0	0	0	7.99E-05	0.000124	0.000618	0.00865265	0.000924	0	0	0.003219	0
A	SO2_RUNEX	9E-05	0.002567	0.00948	0.002976	0.006812	0.006557	0.00948	0.011212041	0.011649	0.010417	0.002076	0.009288	0.013242
A	SO2_STREX	0	0	8.46E-05	0.000628	9.99E-05	6.37E-05	8.46E-05	5.11111E-07	0.000133	1.39E-05	0.000586	5.01E-05	0.000154
A	TOG_DIURN	0.024903	0.046388	0.048996	0.057349	0.001403	0.000642	0.000289	1.32994E-06	0.001062	6.14E-05	1.786807	0.00087	0.347564
A	TOG_HTSK	0.061657	0.093564	0.089096	0.0981	0.054855	0.024352	0.013852	5.78076E-05	0.015622	0.000814	0.631299	0.008304	0.028392
A	TOG_IDLEX	0	0	0	0	0.02413	0.017772	0.025282	0.485180108	0.063906	0	0	0.463821	0
A	TOG_RESTL	0.022934	0.041206	0.048532	0.056738	0.000772	0.000374	0.000168	7.97633E-07	0.000487	3.58E-05	0.946881	0.000414	0.1401
A	TOG_RUNEX	0.004716	0.009483	0.009524	0.009983	0.08579	0.112949	0.014288	0.071682245	0.021563	1.898202	2.666273	0.071678	0.048331
A	TOG_RUNLS	0.170512	0.364405	0.336782	0.340289	0.429696	0.143744	0.071507	0.000284481	0.181965	0.004928	1.487321	0.053902	0.535482
A	TOG_STREX	0.129977	0.168749	0.200041	0.218155	0.047875	0.024915	0.045336	2.48526E-06	0.083906	0.01014	2.04481	0.039442	0.081274

CalEEMod EMFAC2017 Fleet Mix Input 2020

FleetMixLandUseSubType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
	0.585494	0.052026	0.183432	0.108306	0.021147	0.005027	0.013218	0.021288	0.001747	0.001302	0.005307	0.000926	0.000779

CalEEMod EMFAC2017 Fleet Mix Input 2030

FleetMixLandUseSubType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
	0.595423	0.053963	0.1714	0.106522	0.021043	0.005556	0.013639	0.023425	0.001443	0.001178	0.00478	0.0009	0.000728

Source: EMFAC2017 (v1.0.3) Emission Rates

Region Type: County

Region: Santa Clara

Calendar Year: 2026

Season: Annual

Vehicle Classification: EMFAC2017 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PM10 and PMTWT, g/strip for STREX, HDSDMx and RUNLOSS, g/vehicle/day for IDLEX, RESTLOSS and DURLN

Region

Calendar Year

Vehicle Cat

Model Year

Fuel

Population VMT

Trips

Ndx

RUNEX

PM10

STREX

PM2.5

IDL PM2.5

STREX PM2.5

PM10

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Attachment 3: Project Health Risk Calculations

El Paseo Option 2 No Education & Saratoga, San Jose, CA - Construction Health Impact Summary

Maximum Impacts at MEI Location - Without Mitigation (Modeled)

Emissions Year	Maximum Concentrations		Maximum Annual PM2.5 Concentration ($\mu\text{g}/\text{m}^3$)
	Exhaust PM10/DPM ($\mu\text{g}/\text{m}^3$)	Fugitive PM2.5 ($\mu\text{g}/\text{m}^3$)	
2021	0.0275	0.0116	0.04
2022	0.0565	0.0150	0.07
2023	0.1514	0.0182	0.17
2024	0.0865	0.0163	0.10
2025	0.0440	0.0120	0.06
Total	-	-	-
Maximum	0.1514	0.0182	0.17

* Max impacts occur with 2023 start date.

Maximum Impacts at MEI Location - With Mitigation (Modeled)

Emissions Year	Maximum Concentrations		Maximum Annual PM2.5 Concentration ($\mu\text{g}/\text{m}^3$)
	Exhaust PM10/DPM ($\mu\text{g}/\text{m}^3$)	Fugitive PM2.5 ($\mu\text{g}/\text{m}^3$)	
2024	0.0029	0.0030	0.01
2025	0.0136	0.0122	0.03
2023	0.0193	0.0182	0.04
2024	0.0153	0.0163	0.03
2025	0.0105	0.0120	0.02
Total	-	-	-
Maximum	0.0193	0.0182	0.04

- Enhanced BMPs, Tier 4 Final Engine, and Electric Crane, Aerial Lifts, and Portable Equipment Mitigation

2024 Modified El Paseo & Saratoga Project, San Jose, CA - Construction Health Impact Summary

Maximum Impacts at MEI Location - Without Mitigation (Calculated)

Emissions Year	Maximum Concentrations		Maximum Annual PM2.5 Concentration ($\mu\text{g}/\text{m}^3$)
	Exhaust PM10/DPM ($\mu\text{g}/\text{m}^3$)	Fugitive PM2.5 ($\mu\text{g}/\text{m}^3$)	
	2024	0.0188	
2025	0.0386	0.0114	0.05
2026	0.1035	0.0137	0.12
2027	0.0591	0.0123	0.07
2028	0.0301	0.0091	0.04
2029	0.0060	0.0011	0.01
Total	-	-	-
Maximum	0.1035	0.0137	0.12

Maximum Impacts at MEI Location - With Mitigation (Calculated)

Emissions Year	Maximum Concentrations		Maximum Annual PM2.5 Concentration ($\mu\text{g}/\text{m}^3$)
	Exhaust PM10/DPM ($\mu\text{g}/\text{m}^3$)	Fugitive PM2.5 ($\mu\text{g}/\text{m}^3$)	
	2024	0.0000	
2025	0.0000	0.0000	0.00
2026	2023.0000	0.0000	0.00
2027	2024.0000	0.0000	0.00
2028	0.0000	0.0000	0.00
2029	0.0000	0.0000	0.00
Total	-	-	-
Maximum	2024.0000	0.0000	0.00

- Enhanced BMPs, Tier 4 Final Engine, and Electric Crane, Aerial Lifts, and Portable Equipment Mitigation

2024 Modified El Paseo & Saratoga Project, San Jose, CA

DPM Emissions and Modeling Emission Rates - Without Mitigation

Construction Year	Construction Activity	DPM (ton/year)	Source Type	No. Sources	DPM Emissions			Emissions per Point Source (g/s)
					(lb/yr)	(lb/hr)	(g/s)	
2024	El Paseo	0.0364	Point	312	72.8	0.02217	2.79E-03	8.95E-06
2025	El Paseo	0.1418	Point	312	283.5	0.08630	1.09E-02	3.49E-05
2026	El Paseo	0.1137	Point	312	227.5	0.06925	8.73E-03	2.80E-05
2026	Saratoga	0.0266	Point	139	53.1	0.01618	2.04E-03	1.47E-05
2027	El Paseo	0.1299	Point	312	259.8	0.07909	9.96E-03	3.19E-05
2027	Saratoga	0.0484	Point	139	96.7	0.02945	3.71E-03	2.67E-05
2028	El Paseo	0.0468	Point	312	93.6	0.02851	3.59E-03	1.15E-05
2028	Saratoga	0.0211	Point	139	42.1	0.01283	1.62E-03	1.16E-05
2029	Saratoga	0.0135	Point	139	27.0	0.00821	1.03E-03	7.44E-06
Total		0.4967			993.5	0.3024	0.0381	

El Paseo Construction Hours

hr/day = 9 (8am - 5pm)
 days/yr = 365
 hours/year = 3285

Saratoga Construction Hours

hr/day = 9 (8am - 5pm)
 days/yr = 365
 hours/year = 3285

DPM Emissions and Modeling Emission Rates - Mitigated

Construction Year	Construction Activity	DPM (ton/year)	Source Type	No. Sources	DPM Emissions			Emissions per Point Source (g/s)
					(lb/yr)	(lb/hr)	(g/s)	
2024	El Paseo	0.0036	Point	312	7.1	0.00217	2.73E-04	8.76E-07
2025	El Paseo	0.0223	Point	312	44.5	0.01356	1.71E-03	5.48E-06
2026	El Paseo	0.0160	Point	312	32.1	0.00976	1.23E-03	3.94E-06
2026	Saratoga	0.0035	Point	139	7.0	0.00212	2.67E-04	1.92E-06
2027	El Paseo	0.0116	Point	312	23.2	0.00707	8.91E-04	2.86E-06
2027	Saratoga	0.0065	Point	139	13.0	0.00396	4.99E-04	3.59E-06
2028	El Paseo	0.0081	Point	312	16.2	0.00495	6.23E-04	2.00E-06
2028	Saratoga	0.0023	Point	139	4.7	0.00142	1.79E-04	1.29E-06
2029	Saratoga	0.0015	Point	139	3.0	0.00092	1.16E-04	8.32E-07
Total		0.0635			126.9	0.0386	0.0049	

El Paseo Construction Hours

hr/day = 9 (8am - 5pm)
 days/yr = 365
 hours/year = 3285

Saratoga Construction Hours

hr/day = 9 (8am - 5pm)
 days/yr = 365
 hours/year = 3285

2024 Modified El Paseo & Saratoga Project, San Jose, CA

PM2.5 Fugitive Dust Emissions for Modeling - Without Mitigation

Construction Year	Construction Activity	Area Source	PM2.5 Emissions				Modeled Area (m ²)	PM2.5 Emission Rate g/s/m ²
			(ton/year)	(lb/yr)	(lb/hr)	(g/s)		
2024	El Paseo	FUG_EP	0.0157	31.3	0.0095	1.20E-03	30,964	3.88E-08
2025	El Paseo	FUG_EP	0.0149	29.8	0.0091	1.14E-03	30,964	3.69E-08
2026	El Paseo	FUG_EP	0.0083	16.6	0.0051	6.38E-04	30,964	2.06E-08
2026	Saratoga	FUG_SAR	0.0094	18.7	0.0057	7.18E-04	7,006	1.03E-07
2027	El Paseo	FUG_EP	0.0070	14.1	0.0043	5.40E-04	30,964	1.75E-08
2027	Saratoga	FUG_SAR	0.0070	14.0	0.0043	5.38E-04	7,006	7.68E-08
2028	El Paseo	FUG_EP	0.0054	10.8	0.0033	4.16E-04	30,964	1.34E-08
2028	Saratoga	FUG_SAR	0.0015	3.0	0.0009	1.16E-04	7,006	1.65E-08
2029	Saratoga	FUG_SAR	0.0009	1.7	0.0005	6.61E-05	7,006	9.44E-09
Total			0.0623	124.6	0.0379	0.0048		

<i>El Paseo Opt 2 No Ed Construction Hours</i>			<i>Saratoga Construction Hours</i>		
hr/day =	9	(8am - 5pm)	hr/day =	9	(8am - 5pm)
days/yr =	365		days/yr =	365	
hours/year =	3285		hours/year =	3285	

PM2.5 Fugitive Dust Emissions for Modeling - Mitigated

Construction Year	Construction Area	Area Source	PM2.5 Emissions				Modeled Area (m ²)	PM2.5 Emission Rate g/s/m ²
			(ton/year)	(lb/yr)	(lb/hr)	(g/s)		
2024	El Paseo	FUG_EP	0.0033	6.5	0.0020	2.51E-04	30,964	8.11E-09
2025	El Paseo	FUG_EP	0.0078	15.7	0.0048	6.01E-04	30,964	1.94E-08
2026	El Paseo	FUG_EP	0.0077	15.3	0.0047	5.87E-04	30,964	1.90E-08
2026	Saratoga	FUG_SAR	0.0023	4.7	0.0014	1.79E-04	7,006	2.55E-08
2027	El Paseo	FUG_EP	0.0070	14.1	0.0043	5.40E-04	30,964	1.75E-08
2027	Saratoga	FUG_SAR	0.0026	5.2	0.0016	1.98E-04	7,006	2.82E-08
2028	El Paseo	FUG_EP	0.0054	10.8	0.0033	4.16E-04	30,964	1.34E-08
2028	Saratoga	FUG_SAR	0.0015	3.0	0.0009	1.16E-04	7,006	1.65E-08
2029	Saratoga	FUG_SAR	0.0009	1.7	0.0005	6.61E-05	7,006	9.44E-09
Total			0.03071	61.4	0.0187	0.0024		

<i>El Paseo Construction Hours</i>			<i>Saratoga Construction Hours</i>		
hr/day =	9	(8am - 5pm)	hr/day =	9	(8am - 5pm)
days/yr =	365		days/yr =	365	
hours/year =	3285		hours/year =	3285	

2024 Modified El Paseo & Saratoga Project, San Jose

Land Use	Year	Unmitigated	DPM	Unmitigated	Mitigated	DPM	Mitigated
		DPM	EMFAC2017	Emissions	DPM	EMFAC2017	Emissions
El Paseo	2024	0.036	0.001	0.036	0.003	0.001	0.004
	2025	0.133	0.009	0.142	0.013	0.009	0.022
	2026	0.103	0.011	0.114	0.005	0.011	0.016
	2027	0.120	0.010	0.130	0.002	0.010	0.012
	2028	0.039	0.008	0.047	0.001	0.008	0.008
Saratoga	2026	0.026	0.001	0.027	0.003	0.001	0.003
	2027	0.046	0.002	0.048	0.004	0.002	0.006
	2028	0.019	0.002	0.021	0.0003	0.002	0.002
	2029	0.012	0.001	0.013	0.0003	0.001	0.002
Land Use	Year	Unmitigated	Fug PM2.5	Unmitigated	Mitigated	Fug PM2.5	Mitigated
		Fug PM2.5	EMFAC2017	Emissions	Fug PM2.5	EMFAC2017	Emissions
El Paseo	2024	0.015	0.0003	0.016	0.003	0.0003	0.003
	2025	0.009	0.006	0.015	0.002	0.006	0.008
	2026	0.001	0.007	0.008	0.0002	0.007	0.008
	2027	0.000	0.007	0.007	0.000	0.007	0.007
	2028	0.000	0.005	0.005	0.000	0.005	0.005
Saratoga	2026	0.009	0.001	0.009	0.002	0.001	0.002
	2027	0.006	0.002	0.007	0.001	0.002	0.003
	2028	0.000	0.002	0.002	0.000	0.002	0.002
	2029	0.000	0.001	0.001	0.000	0.001	0.001