



County of San Diego

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TO: Nick Gustafson and Jenna Roady
FROM: Alyssa Way, Air Quality and Greenhouse Gas Specialist – Independent Contractor
SUBJECT: Lemon Crest, PDS2014-TM-5582 Air Quality and Greenhouse Gas Analysis
DATE: August 11, 2020

This memorandum summarizes the air quality and greenhouse gas (GHG) emissions estimates for the Lemon Crest project (project). The project is proposing to develop 24-single-family residential units on a 17-acre site. The project site is located at 12361 Lemon Crest Drive in the unincorporated community planning area of Lakeside in the County of San Diego (County).

Air quality and GHG emissions were quantified based on the following data provided by the applicant. Project construction is scheduled to begin in Fall 2022 and take approximately 18 months to complete. The first full year of project operations is anticipated to be in 2025. The project will require the demolition of an existing single-family home onsite. Earthwork consists of balanced grading (i.e., no soil import or export) over 16 acres of the project site and would include the cut/fill of 124,250 cubic yards of soil on-site. The project will also construct approximately three acres of impervious surface (e.g., roadways and driveways) including a 900-foot private road and reconstruction of adjacent properties' driveways on the west side of Lemon Crest Drive.

Air Quality Setting and Analysis Methodology

The project would generate short-term emissions of criteria air pollutants ozone precursors (i.e. volatile organic compounds [VOCs] and oxides of nitrogen [NO_x]) during construction activities from fuel combustion and exhaust associated with construction equipment and vehicle traffic (i.e., worker commute), and fugitive dust emissions from grading and earth movement activities. Long-term operational emissions of criteria air pollutants and ozone precursors would result from area sources (i.e., consumer products, architectural coatings, and landscape maintenance equipment use), energy consumption (i.e., electricity and natural gas consumption), and mobile sources (i.e. fuel combustion in vehicle use associated with the project).

The County has established screening level thresholds (SLTs) which incorporate the San Diego County Air Pollution Control District (SDAPCD's) established trigger level thresholds under Rule 20.2 and Rule 20.3. These SLTs are numeric limits to demonstrate that a project's maximum daily or average yearly emissions (e.g. stationary and fugitive emissions, as well as emissions from mobile sources) would not result in a significant impact to air quality. Because SDAPCD does not have trigger levels for emissions of VOCs, the screening level from the South Coast Air Quality Management District (SCAQMD) for the Coachella Valley (which is more appropriate for the San Diego Air Basin) was incorporated as the County's SLT for VOCs. Based on these SLTs, a significant impact would result if the project would result in emissions that exceed:

- 100 pounds per day or 15 tons per year of respirable particulate matter (PM₁₀)
- 55 pounds per day or 10 tons per year of fine particulate matter (PM_{2.5})
- 250 pounds per day or 40 tons per year of NO_x
- 250 pounds per day or 40 tons per year of oxides of sulfur (SO_x)
- 550 pounds per day or 100 tons per year of carbon monoxide (CO)
- 3.2 pounds per day or 0.6 tons per year of lead and lead compounds
- 75 pounds per day or 13.7 tons per year of VOCs

The emissions of criteria air pollutants for comparison to the County's SLTs were analyzed using California Emissions Estimator Model (CalEEMod) Version 2016.3.2 computer program.¹

Construction Analysis

Short-term construction-related emissions were modeled based on project-specific information (e.g., project size and earthwork), where available, and default values in CalEEMod that are based on the project's location, land use type, and type of construction. CalEEMod default values were used to estimate construction timeline, construction activities, and equipment necessary to complete each construction activity. Construction activities are anticipated to last for 18 months and include demolition, site preparation, grading, building construction, paving, and application of architectural coatings.

Table 1 below summarizes the expected construction schedule and number of pieces of equipment that would be used.

Table 1 Expected Construction Schedule and Construction Equipment

Equipment Type	Total Days ¹	Quantity
Demolition	20	-
Concrete/Industrial Saws		1
Excavators		3
Rubber Tired Dozers		2
Site Preparation	10	-

¹ California Air Pollution Control Officers Association. 2016. *California Emissions Estimator Model Version 2016.3.2*. Available: <http://caleemod.com/>. Accessed July 30, 2020.

Rubber Tired Dozers		3
Tractors/Loaders/Backhoes		4
Grading		-
Excavators		2
Graders		1
Rubber Tired Dozers	30	1
Scrapers		2
Tractors/Loaders/Backhoes		2
Building Construction		-
Cranes		1
Forklifts		3
Generator Sets	300	1
Tractors/Loader/Backhoes		3
Welders		1
Paving		-
Pavers		2
Paving Equipment	20	2
Rollers		2
Architectural Coating		-
Air Compressors	20	1
Source: CalEEMod Version 2016.3.2		
*Construction activities were assumed to begin in October 2022 and be completed by the end of December 2023.		

Grading activities would be subject to County of San Diego Grading Ordinance, which requires the implementation of dust control measures, and SDAPCD Rule 55, which requires the implementation of dust control measures to minimize dust emissions from exposed surfaces. Construction activities would also be required to comply with SDAPCD Rule 67.0.1, which limits the VOC content of architectural coatings. Though compliance with these SDAPCD and County rules and regulations would be required for project construction, it is not feasible to quantify all measures in CalEEMod. The specific activities, as required by SDAPCD and the County, that are quantified in this analysis include:

- Watering the site three times daily.
- Replace ground cover in disturbed areas when they become inactive.
- Limit vehicle speeds on unpaved surfaces to 15 miles per hour.
- Remove track-out dirt on paved roads.
- Limit residential interior paint flat coating (i.e., 50 grams per liter [g/L] VOC) and exterior paint non-flat coating (i.e., 100 g/L VOC).

Table 2 presents the maximum daily criteria air pollutant and precursor emissions resulting from the construction of the project. As noted previously, not all actions that would be implemented in compliance with SDAPCD and County rules and requirements were applied in this analysis. Thus, the construction emissions estimates presented below

are considered conservative. Detailed modeling assumptions and outputs are provided in Attachment A.

Table 2 Maximum Daily Estimated Construction Criteria Air Pollutant and Precursor Emissions (pounds per day)¹

Year	VOC	NOx	CO	SO _x	PM ₁₀	PM _{2.5}
2022	3	38	30	<1	8	5
2023	2	15	17	<1	1	1
2024	17	14	17	<1	1	1
Maximum Daily Emissions	17	38	30	<1	8	5
Screening-Level Threshold	75	250	550	250	100	55
Exceeds Screening-Level Threshold?	No	No	No	No	No	No
Notes: CO = carbon monoxide; NOx = nitrogen oxides; PM ₁₀ = respirable particulate matter; PM _{2.5} = fine particulate matter; SO ₂ = sulfur dioxide; VOC = volatile organic compounds Notes: ¹ The maximum daily emissions are obtained from the summer and winter scenarios. Source: Modeling conducted by County of San Diego in 2020.						

As shown in Table 1, project construction criteria air pollutant and precursor emissions would not exceed the SDAPCD SLTs for any criteria air pollutants or precursors.

Operational Analysis

Operational emissions were estimated at full buildout of the project, which would occur as early as 2025. Emissions of criteria pollutants associated with building energy consumption are estimated within CalEEMod assuming projects are compliant with the 2016 Building Energy Efficiency Standards (Title 24, Part 6). Because the project would be required to comply with the most recently update version of these standards, CalEEMod was updated to reflect efficiency improvements of the updated 2019 Title 24 standards. Long-term building maintenance requires reapplication of architectural coatings; therefore, it was assumed in CalEEMod that all residential interior architectural coating would be 50 g/L/VOC and exterior architectural coating would be 100 g/L VOC consistent with the requirements of SDAPCD Rule 67. Mobile source emissions were estimated with default trip lengths and rates included in CalEEMod.

Table 3 presents the maximum daily and annual criteria air pollutant and precursor emissions resulting from the operation of the project. Detailed emissions estimates are provided in Attachment A.

Table 3 Maximum Daily and Annual Estimated Operational Criteria Air Pollutant and Precursor Emissions

Category	VOC	NOx	CO	SO _x	PM ₁₀	PM _{2.5}
pounds per day¹						
Area	38	1	47	<1	6	6
Energy	<1	<1	<1	<1	<1	<1

Mobile	<1	1	4	<1	<1	<1
Total	38	2	51	<1	8	7
Screening-Level Threshold	75	250	550	250	100	55
Exceed Screening-Level Threshold?	No	No	No	No	No	No
tons per year						
Area	2	<1	2	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	<1	<1	1	<1	<1	<1
Total	2	<1	3	<1	1	<1
Screening-Level Threshold	13.7	40	100	40	15	10
Exceed Screening-Level Threshold?	No	No	No	No	No	No
Notes: CO = carbon monoxide; NOX = nitrogen oxides; PM10 = respirable particulate matter; PM2.5 = fine particulate matter; SO2 = sulfur dioxide; VOC = volatile organic compounds. Columns may not add up due to rounding. ¹ The maximum daily emissions are obtained from the summer and winter scenarios. Source: Modeling conducted by the County of San Diego in 2020.						

As shown in Table 3, project operational criteria air pollutant and precursor emissions would not exceed the SDAPCD SLTs for any criteria air pollutants or precursors.

Greenhouse Gas Emissions

The proposed project would generate greenhouse gas (GHG) emissions from construction activities, operational vehicle trips, indirect emissions from water consumption, waste generation, and residential energy consumption. The project would implement the following sustainable design features to reduce GHG emissions:

- Install either solar thermal, tankless electric, storage electric, electric heat pumps, or tankless gas water heaters.
- Install water efficient kitchen faucets with a maximum flow rate of 1.5 gallons per minute at 60 psi. Temporary increases in kitchen faucets would not exceed 2.2 gallons per minute at 60 psi. In addition, the project will install at least one qualified ENERGY STAR dishwasher or clothes washer per residential unit.
- Install one rain barrel per every 500 square feet of available roof space unless State, regional, or local incentives/rebates are not available; or if funding for programs/rebates have been exhausted.
- Comply with the County's Water Conservation in Landscaping Ordinance by submitting a landscape documentation package which is required to demonstrate a 40 percent reduction in outdoor water use.
- Plant at least two trees per residential dwelling unit.

An annual 900 metric ton carbon dioxide equivalent (MTCO₂e) screening level is used which is referenced in the California Air Pollution Control Officers Association (CAPCOA) white paper titled *CEQA and Climate Change* (CAPCOA 2008).² Projects that meet or fall below the screening threshold are expected to result GHG emissions that would not be cumulatively considerable and would not require additional analysis. According to the CAPCOA white paper, 900 MTCO₂e are generally produced by a 50-unit single-family resident or 70-unit condominium/apartment.

CAPCOA's 900 MTCO₂e per year threshold was developed in order to meet Assembly Bill (AB) 32 State target of reducing emissions to 1990 levels by year 2020. Since adoption of this threshold, Senate Bill (SB) 32 was passed to set a revised statewide reduction target to reduce emissions to 40 percent below 1990 levels by year 2030. Though the CAPCOA threshold does not consider the reduction targets set by SB 32, the CAPCOA threshold was developed with an aggressive project-level GHG emission capture rate of 90 percent.

As a comparison to the CAPCOA threshold, other regional air districts such as the Sacramento Metropolitan Air Quality Management District (SMAQMD) have updated their GHG emission significance thresholds to ensure future proposed projects help meet the State's 2030 emission reduction target and do not result in a cumulative impact to climate change. In April 2020 the SMAQMD published updated project screening levels and determined that project's estimated to generate less than 1,100 MTCO₂e per year would not result in a significant, cumulative impact.³ This threshold was developed to demonstrate compliance with the statewide reduction targets in 2030 and the SLT was determined by SMAQMD to capture 98 percent of total GHG emissions.

The CAPCOA threshold of 900 MTCO₂e represents a more stringent screening level than has been approved by other air districts in compliance with 2030 statewide reduction targets. Due to the aggressive GHG emission capture rate, the CAPCOA threshold would still act as a viable threshold to reduce project GHG emissions proposed after 2020 and meet SB 32 targets. Furthermore, as State legislative requirements such as Building Energy Efficiency Standards and transportation-related efficiency measures become increasingly more stringent overtime, future project GHG emissions would be reduced helping to meet State emission reduction targets.

Because the project is a 24-unit single-family development, it would therefore fall below the CAPCOA screening criterion of 50 units for single family residential developments. For disclosure purposes, the GHG emissions that would be generated by the project were estimated using CalEEMod Version 2016.3.2. The project is estimated to generate

² California Air Pollution Control Officers Association. 2008. *CEQA and Climate Change*. Available: <http://www.capcoa.org/wp-content/uploads/downloads/2010/05/CAPCOA-White-Paper.pdf>. Accessed: July 30, 2020.

³ Sacramento Metropolitan Air Quality Management District (SMAQMD). 2020. Greenhouse Gas Thresholds for Sacramento County. Available: <http://www.airquality.org/LandUseTransportation/Documents/SMAQMDGHGThresholds2020-03-04v2.pdf>. Accessed. August 11, 2020.

342 MTCO₂e per year during operations. When combined with a 30-year amortization of construction emissions of 11 MTCO₂e per year (consistent with methodology from the South Coast Air Quality Management District ⁴), total annual project GHG emissions were estimated to be 353 MTCO₂e. Thus, the project would not generate GHG emissions in excess of the 900 MTCO₂e per year CAPCOA threshold and the project's impacts related to GHG emissions would be less than significant.

⁴ South Coast Air Quality Management District. 2008. *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans*. Available: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ghg-significance-thresholds>. Accessed July 30, 2020.

Attachment A

CalEEMod Outputs

Lemon Crest - San Diego County, Annual

Lemon Crest

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	130.80	1000sqft	3.00	0.00	0
Single Family Housing	24.00	Dwelling Unit	7.79	43,200.00	69

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2025
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	425	CH4 Intensity (lb/MW hr)	0.016	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Lemon Crest - San Diego County, Annual

Project Characteristics - Emissions factors with updated RPS

Land Use - Asphalt surface BSF excluded for painting

Demolition -

Grading - 16 acres disturbed

Architectural Coating - Rule 67.0.1

Area Coating - Rule 67.0.1

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive Dust control

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	250	100
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblGrading	AcresOfGrading	75.00	16.00
tblLandUse	LandUseSquareFeet	130,800.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	720.49	425
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
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tblVehicleEF	LDA	1.22	1.23
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	1.7720e-003	1.7984e-003

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tblVehicleEF	LDA	2.2510e-003	2.2845e-003
tblVehicleEF	LDA	1.6320e-003	1.6563e-003
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tblVehicleEF	LDA	2.0700e-003	2.1008e-003
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tblVehicleEF	LDA	1.7720e-003	1.7984e-003
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tblVehicleEF	LDT1	0.12	0.12
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tblVehicleEF	MDV	0.03	0.03
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tblVehicleEF	:	MDV	:	0.16	:	0.16
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2.0 Emissions Summary

Lemon Crest - San Diego County, Annual

2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1028	1.0474	0.7945	1.6200e-003	0.1948	0.0471	0.2418	0.1016	0.0435	0.1451	0.0000	142.6334	142.6334	0.0430	0.0000	143.7071
2023	0.2090	1.9022	2.1461	3.6900e-003	0.0120	0.0911	0.1030	3.2400e-003	0.0857	0.0889	0.0000	318.7856	318.7856	0.0726	0.0000	320.5994
2024	0.2114	0.3473	0.4551	7.7000e-004	2.9700e-003	0.0161	0.0190	8.0000e-004	0.0150	0.0158	0.0000	66.5123	66.5123	0.0164	0.0000	66.9212
Maximum	0.2114	1.9022	2.1461	3.6900e-003	0.1948	0.0911	0.2418	0.1016	0.0857	0.1451	0.0000	318.7856	318.7856	0.0726	0.0000	320.5994

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1028	1.0474	0.7945	1.6200e-003	0.0747	0.0471	0.1218	0.0383	0.0435	0.0818	0.0000	142.6332	142.6332	0.0430	0.0000	143.7069
2023	0.2090	1.9022	2.1461	3.6900e-003	0.0111	0.0911	0.1021	3.0200e-003	0.0857	0.0887	0.0000	318.7852	318.7852	0.0726	0.0000	320.5990
2024	0.2114	0.3473	0.4551	7.7000e-004	2.7500e-003	0.0161	0.0188	7.4000e-004	0.0150	0.0158	0.0000	66.5122	66.5122	0.0164	0.0000	66.9211
Maximum	0.2114	1.9022	2.1461	3.6900e-003	0.0747	0.0911	0.1218	0.0383	0.0857	0.0887	0.0000	318.7852	318.7852	0.0726	0.0000	320.5990

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	ROG	NOx	CO	SO2	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	57.78	0.00	33.30	60.16	0.00	25.43	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-3-2022	1-2-2023	1.1479	1.1479
2	1-3-2023	4-2-2023	0.5220	0.5220
3	4-3-2023	7-2-2023	0.5277	0.5277
4	7-3-2023	10-2-2023	0.5335	0.5335
5	10-3-2023	1-2-2024	0.5329	0.5329
6	1-3-2024	4-2-2024	0.4717	0.4717
7	4-3-2024	7-2-2024	0.0654	0.0654
		Highest	1.1479	1.1479

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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	1.6970	0.0315	2.0381	3.3800e-003		0.2616	0.2616		0.2616	0.2616	24.7910	10.6904	35.4814	0.0232	1.9500e-003	36.6416
Energy	3.0300e-003	0.0259	0.0110	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	67.4091	67.4091	1.9800e-003	8.1000e-004	67.7011
Mobile	0.0538	0.2214	0.6534	2.4800e-003	0.2439	1.9600e-003	0.2459	0.0653	1.8200e-003	0.0671	0.0000	229.1148	229.1148	0.0113	0.0000	229.3959
Waste						0.0000	0.0000		0.0000	0.0000	5.7426	0.0000	5.7426	0.3394	0.0000	14.2271
Water						0.0000	0.0000		0.0000	0.0000	0.4961	6.0365	6.5326	0.0512	1.2500e-003	8.1833
Total	1.7538	0.2788	2.7025	6.0300e-003	0.2439	0.2657	0.5096	0.0653	0.2655	0.3308	31.0297	313.2508	344.2804	0.4270	4.0100e-003	356.1490

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6970	0.0315	2.0381	3.3800e-003		0.2616	0.2616		0.2616	0.2616	24.7910	10.6904	35.4814	0.0232	1.9500e-003	36.6416
Energy	1.7100e-003	0.0146	6.2200e-003	9.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	53.5599	53.5599	1.7000e-003	5.7000e-004	53.7720
Mobile	0.0538	0.2214	0.6534	2.4800e-003	0.2439	1.9600e-003	0.2459	0.0653	1.8200e-003	0.0671	0.0000	229.1148	229.1148	0.0113	0.0000	229.3959
Waste						0.0000	0.0000		0.0000	0.0000	5.7426	0.0000	5.7426	0.3394	0.0000	14.2271
Water						0.0000	0.0000		0.0000	0.0000	0.4961	6.0365	6.5326	0.0512	1.2500e-003	8.1833
Total	1.7525	0.2675	2.6977	5.9500e-003	0.2439	0.2648	0.5087	0.0653	0.2646	0.3299	31.0297	299.4015	330.4312	0.4267	3.7700e-003	342.2198

	ROG	NOx	CO	SO2	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	0.08	4.04	0.18	1.33	0.00	0.34	0.18	0.00	0.34	0.28	0.00	4.42	4.02	0.07	5.99	3.91

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/3/2022	10/28/2022	5	20	
2	Site Preparation	Site Preparation	10/29/2022	11/11/2022	5	10	
3	Grading	Grading	11/12/2022	12/23/2022	5	30	
4	Building Construction	Building Construction	12/24/2022	2/16/2024	5	300	
5	Paving	Paving	2/17/2024	3/15/2024	5	20	
6	Architectural Coating	Architectural Coating	3/16/2024	4/12/2024	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 16

Acres of Paving: 3

Residential Indoor: 87,480; Residential Outdoor: 29,160; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	9.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.9000e-004	0.0000	9.9000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	9.9000e-004	0.0124	0.0134	1.5000e-004	0.0116	0.0117	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0700e-003	2.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.3382	0.3382	3.0000e-005	0.0000	0.3390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.4000e-004	3.4800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0123	1.0123	3.0000e-005	0.0000	1.0130
Total	5.2000e-004	1.4100e-003	3.7700e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.3505	1.3505	6.0000e-005	0.0000	1.3520

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					3.7000e-004	0.0000	3.7000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	3.7000e-004	0.0124	0.0128	6.0000e-005	0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0700e-003	2.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.3382	0.3382	3.0000e-005	0.0000	0.3390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.4000e-004	3.4800e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.0000e-004	0.0000	1.0123	1.0123	3.0000e-005	0.0000	1.0130
Total	5.2000e-004	1.4100e-003	3.7700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.3505	1.3505	6.0000e-005	0.0000	1.3520

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0903	8.0600e-003	0.0984	0.0497	7.4200e-003	0.0571	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

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3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.0000e-004	2.0900e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6074	0.6074	2.0000e-005	0.0000	0.6078
Total	3.0000e-004	2.0000e-004	2.0900e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6074	0.6074	2.0000e-005	0.0000	0.6078

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					0.0335	0.0000	0.0335	0.0184	0.0000	0.0184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0335	8.0600e-003	0.0415	0.0184	7.4200e-003	0.0258	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

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3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.0000e-004	2.0900e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.6074	0.6074	2.0000e-005	0.0000	0.6078
Total	3.0000e-004	2.0000e-004	2.0900e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.6074	0.6074	2.0000e-005	0.0000	0.6078

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0988	0.0000	0.0988	0.0506	0.0000	0.0506	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633
Total	0.0544	0.5827	0.4356	9.3000e-004	0.0988	0.0245	0.1233	0.0506	0.0226	0.0731	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633

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3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	6.8000e-004	6.9600e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.5000e-004	0.0000	2.0245	2.0245	6.0000e-005	0.0000	2.0259
Total	9.9000e-004	6.8000e-004	6.9600e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.5000e-004	0.0000	2.0245	2.0245	6.0000e-005	0.0000	2.0259

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					0.0366	0.0000	0.0366	0.0187	0.0000	0.0187	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632
Total	0.0544	0.5827	0.4356	9.3000e-004	0.0366	0.0245	0.0611	0.0187	0.0226	0.0413	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632

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3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	6.8000e-004	6.9600e-003	2.0000e-005	2.2200e-003	2.0000e-005	2.2300e-003	5.9000e-004	2.0000e-005	6.1000e-004	0.0000	2.0245	2.0245	6.0000e-005	0.0000	2.0259
Total	9.9000e-004	6.8000e-004	6.9600e-003	2.0000e-005	2.2200e-003	2.0000e-005	2.2300e-003	5.9000e-004	2.0000e-005	6.1000e-004	0.0000	2.0245	2.0245	6.0000e-005	0.0000	2.0259

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2700e-003	0.0390	0.0409	7.0000e-005		2.0200e-003	2.0200e-003		1.9000e-003	1.9000e-003	0.0000	5.7931	5.7931	1.3900e-003	0.0000	5.8278
Total	4.2700e-003	0.0390	0.0409	7.0000e-005		2.0200e-003	2.0200e-003		1.9000e-003	1.9000e-003	0.0000	5.7931	5.7931	1.3900e-003	0.0000	5.8278

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3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	7.3000e-004	1.9000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1942	0.1942	1.0000e-005	0.0000	0.1946
Worker	7.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1518	0.1518	0.0000	0.0000	0.1519
Total	9.0000e-005	7.8000e-004	7.1000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3465

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	4.2700e-003	0.0390	0.0409	7.0000e-005		2.0200e-003	2.0200e-003		1.9000e-003	1.9000e-003	0.0000	5.7931	5.7931	1.3900e-003	0.0000	5.8278
Total	4.2700e-003	0.0390	0.0409	7.0000e-005		2.0200e-003	2.0200e-003		1.9000e-003	1.9000e-003	0.0000	5.7931	5.7931	1.3900e-003	0.0000	5.8278

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	7.3000e-004	1.9000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1942	0.1942	1.0000e-005	0.0000	0.1946
Worker	7.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.1518	0.1518	0.0000	0.0000	0.1519
Total	9.0000e-005	7.8000e-004	7.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3465

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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3.5 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0297	9.2100e-003	1.0000e-004	2.5900e-003	4.0000e-005	2.6200e-003	7.5000e-004	3.0000e-005	7.8000e-004	0.0000	9.8454	9.8454	6.7000e-004	0.0000	9.8621
Worker	3.6500e-003	2.4200e-003	0.0252	8.0000e-005	9.3800e-003	6.0000e-005	9.4500e-003	2.4900e-003	6.0000e-005	2.5500e-003	0.0000	7.5941	7.5941	2.0000e-004	0.0000	7.5990
Total	4.5200e-003	0.0322	0.0344	1.8000e-004	0.0120	1.0000e-004	0.0121	3.2400e-003	9.0000e-005	3.3300e-003	0.0000	17.4394	17.4394	8.7000e-004	0.0000	17.4611

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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3.5 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0297	9.2100e-003	1.0000e-004	2.4200e-003	4.0000e-005	2.4600e-003	7.1000e-004	3.0000e-005	7.4000e-004	0.0000	9.8454	9.8454	6.7000e-004	0.0000	9.8621
Worker	3.6500e-003	2.4200e-003	0.0252	8.0000e-005	8.6500e-003	6.0000e-005	8.7100e-003	2.3100e-003	6.0000e-005	2.3700e-003	0.0000	7.5941	7.5941	2.0000e-004	0.0000	7.5990
Total	4.5200e-003	0.0322	0.0344	1.8000e-004	0.0111	1.0000e-004	0.0112	3.0200e-003	9.0000e-005	3.1100e-003	0.0000	17.4394	17.4394	8.7000e-004	0.0000	17.4611

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0258	0.2353	0.2829	4.7000e-004		0.0107	0.0107		0.0101	0.0101	0.0000	40.5736	40.5736	9.5900e-003	0.0000	40.8135
Total	0.0258	0.2353	0.2829	4.7000e-004		0.0107	0.0107		0.0101	0.0101	0.0000	40.5736	40.5736	9.5900e-003	0.0000	40.8135

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3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.9500e-003	1.2000e-003	1.0000e-005	3.5000e-004	0.0000	3.5000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	1.3169	1.3169	9.0000e-005	0.0000	1.3191
Worker	4.7000e-004	3.0000e-004	3.1600e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	0.9820	0.9820	2.0000e-005	0.0000	0.9826
Total	5.8000e-004	4.2500e-003	4.3600e-003	2.0000e-005	1.6100e-003	1.0000e-005	1.6200e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	2.2989	2.2989	1.1000e-004	0.0000	2.3018

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	0.0258	0.2353	0.2829	4.7000e-004		0.0107	0.0107		0.0101	0.0101	0.0000	40.5735	40.5735	9.5900e-003	0.0000	40.8134
Total	0.0258	0.2353	0.2829	4.7000e-004		0.0107	0.0107		0.0101	0.0101	0.0000	40.5735	40.5735	9.5900e-003	0.0000	40.8134

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3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.9500e-003	1.2000e-003	1.0000e-005	3.3000e-004	0.0000	3.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	1.3169	1.3169	9.0000e-005	0.0000	1.3191
Worker	4.7000e-004	3.0000e-004	3.1600e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9820	0.9820	2.0000e-005	0.0000	0.9826
Total	5.8000e-004	4.2500e-003	4.3600e-003	2.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	2.2989	2.2989	1.1000e-004	0.0000	2.3018

3.6 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	3.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0138	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885

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3.6 Paving - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.8000e-004	3.0100e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9353	0.9353	2.0000e-005	0.0000	0.9359
Total	4.4000e-004	2.8000e-004	3.0100e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9353	0.9353	2.0000e-005	0.0000	0.9359

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	3.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0138	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884

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3.6 Paving - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.8000e-004	3.0100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.0000e-004	0.0000	0.9353	0.9353	2.0000e-005	0.0000	0.9359
Total	4.4000e-004	2.8000e-004	3.0100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.0000e-004	0.0000	0.9353	0.9353	2.0000e-005	0.0000	0.9359

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569
Total	0.1708	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569

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3.7 Architectural Coating - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248
Total	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248

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	0.1690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568
Total	0.1708	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568

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3.7 Architectural Coating - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248
Total	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248

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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0538	0.2214	0.6534	2.4800e-003	0.2439	1.9600e-003	0.2459	0.0653	1.8200e-003	0.0671	0.0000	229.1148	229.1148	0.0113	0.0000	229.3959
Unmitigated	0.0538	0.2214	0.6534	2.4800e-003	0.2439	1.9600e-003	0.2459	0.0653	1.8200e-003	0.0671	0.0000	229.1148	229.1148	0.0113	0.0000	229.3959

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	228.48	237.84	206.88	647,387	647,387
Total	228.48	237.84	206.88	647,387	647,387

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Single Family Housing	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	36.6449	36.6449	1.3800e-003	2.6000e-004	36.7565
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.4567	37.4567	1.4100e-003	2.6000e-004	37.5708
NaturalGas Mitigated	1.7100e-003	0.0146	6.2200e-003	9.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	16.9149	16.9149	3.2000e-004	3.1000e-004	17.0155
NaturalGas Unmitigated	3.0300e-003	0.0259	0.0110	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9524	29.9524	5.7000e-004	5.5000e-004	30.1304

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5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	561286	3.0300e-003	0.0259	0.0110	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9524	29.9524	5.7000e-004	5.5000e-004	30.1304
Total		3.0300e-003	0.0259	0.0110	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9524	29.9524	5.7000e-004	5.5000e-004	30.1304

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	316974	1.7100e-003	0.0146	6.2200e-003	9.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	16.9149	16.9149	3.2000e-004	3.1000e-004	17.0155
Total		1.7100e-003	0.0146	6.2200e-003	9.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	16.9149	16.9149	3.2000e-004	3.1000e-004	17.0155

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	194301	37.4567	1.4100e-003	2.6000e-004	37.5708
Total		37.4567	1.4100e-003	2.6000e-004	37.5708

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	190090	36.6449	1.3800e-003	2.6000e-004	36.7565
Total		36.6449	1.3800e-003	2.6000e-004	36.7565

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6970	0.0315	2.0381	3.3800e-003		0.2616	0.2616		0.2616	0.2616	24.7910	10.6904	35.4814	0.0232	1.9500e-003	36.6416
Unmitigated	1.6970	0.0315	2.0381	3.3800e-003		0.2616	0.2616		0.2616	0.2616	24.7910	10.6904	35.4814	0.0232	1.9500e-003	36.6416

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	0.0169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5059	0.0294	1.8589	3.3700e-003		0.2606	0.2606		0.2606	0.2606	24.7910	10.3970	35.1880	0.0229	1.9500e-003	36.3410
Landscaping	5.4600e-003	2.0600e-003	0.1792	1.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.2934	0.2934	2.8000e-004	0.0000	0.3006
Total	1.6970	0.0315	2.0381	3.3800e-003		0.2616	0.2616		0.2616	0.2616	24.7910	10.6904	35.4814	0.0232	1.9500e-003	36.6416

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5059	0.0294	1.8589	3.3700e-003		0.2606	0.2606		0.2606	0.2606	24.7910	10.3970	35.1880	0.0229	1.9500e-003	36.3410
Landscaping	5.4600e-003	2.0600e-003	0.1792	1.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.2934	0.2934	2.8000e-004	0.0000	0.3006
Total	1.6970	0.0315	2.0381	3.3800e-003		0.2616	0.2616		0.2616	0.2616	24.7910	10.6904	35.4814	0.0232	1.9500e-003	36.6416

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.5326	0.0512	1.2500e-003	8.1833
Unmitigated	6.5326	0.0512	1.2500e-003	8.1833

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.5637 / 0.985809	6.5326	0.0512	1.2500e-003	8.1833
Total		6.5326	0.0512	1.2500e-003	8.1833

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.5637 / 0.985809	6.5326	0.0512	1.2500e-003	8.1833
Total		6.5326	0.0512	1.2500e-003	8.1833

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.7426	0.3394	0.0000	14.2271
Unmitigated	5.7426	0.3394	0.0000	14.2271

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.29	5.7426	0.3394	0.0000	14.2271
Total		5.7426	0.3394	0.0000	14.2271

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.29	5.7426	0.3394	0.0000	14.2271
Total		5.7426	0.3394	0.0000	14.2271

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

Lemon Crest - San Diego County, Summer

Lemon Crest

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	130.80	1000sqft	3.00	0.00	0
Single Family Housing	24.00	Dwelling Unit	7.79	43,200.00	69

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2025
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	425	CH4 Intensity (lb/MW hr)	0.016	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Lemon Crest - San Diego County, Summer

Project Characteristics - Emissions factors with updated RPS

Land Use - Asphalt surface BSF excluded for painting

Demolition -

Grading - 16 acres disturbed

Architectural Coating - Rule 67.0.1

Area Coating - Rule 67.0.1

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive Dust control

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	250	100
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblGrading	AcresOfGrading	75.00	16.00
tblLandUse	LandUseSquareFeet	130,800.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	720.49	425
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleEF	LDA	0.52	0.52
tblVehicleEF	LDA	1.22	1.23
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	1.7720e-003	1.7984e-003

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tblVehicleEF	LDA	2.2510e-003	2.2845e-003
tblVehicleEF	LDA	1.6320e-003	1.6563e-003
tblVehicleEF	LDA	2.0700e-003	2.1008e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.58	0.58
tblVehicleEF	LDA	1.01	1.02
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	1.7720e-003	1.7984e-003
tblVehicleEF	LDA	2.2510e-003	2.2845e-003
tblVehicleEF	LDA	1.6320e-003	1.6563e-003
tblVehicleEF	LDA	2.0700e-003	2.1008e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.51	0.51
tblVehicleEF	LDA	1.31	1.32
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06

Lemon Crest - San Diego County, Summer

tblVehicleEF	LDA	1.7720e-003	1.7984e-003
tblVehicleEF	LDA	2.2510e-003	2.2845e-003
tblVehicleEF	LDA	1.6320e-003	1.6563e-003
tblVehicleEF	LDA	2.0700e-003	2.1008e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDT1	0.97	0.98
tblVehicleEF	LDT1	2.30	2.31
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	2.4490e-003	2.4855e-003
tblVehicleEF	LDT1	3.0260e-003	3.0711e-003
tblVehicleEF	LDT1	2.2550e-003	2.2886e-003
tblVehicleEF	LDT1	2.7820e-003	2.8235e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	1.08	1.08
tblVehicleEF	LDT1	1.90	1.91
tblVehicleEF	LDT1	0.09	0.09

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tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.4490e-003	2.4855e-003
tblVehicleEF	LDT1	3.0260e-003	3.0711e-003
tblVehicleEF	LDT1	2.2550e-003	2.2886e-003
tblVehicleEF	LDT1	2.7820e-003	2.8235e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.95	0.96
tblVehicleEF	LDT1	2.47	2.49
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	2.4490e-003	2.4855e-003
tblVehicleEF	LDT1	3.0260e-003	3.0711e-003
tblVehicleEF	LDT1	2.2550e-003	2.2886e-003
tblVehicleEF	LDT1	2.7820e-003	2.8235e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT2	0.58	0.58
tblVehicleEF	LDT2	1.12	1.13

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tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	1.8520e-003	1.8796e-003
tblVehicleEF	LDT2	2.3620e-003	2.3972e-003
tblVehicleEF	LDT2	1.7030e-003	1.7284e-003
tblVehicleEF	LDT2	2.1720e-003	2.2044e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.65	0.65
tblVehicleEF	LDT2	0.93	0.94
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.8520e-003	1.8796e-003
tblVehicleEF	LDT2	2.3620e-003	2.3972e-003
tblVehicleEF	LDT2	1.7030e-003	1.7284e-003
tblVehicleEF	LDT2	2.1720e-003	2.2044e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.57	0.57

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tblVehicleEF	LDT2	1.20	1.21
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	1.8520e-003	1.8796e-003
tblVehicleEF	LDT2	2.3620e-003	2.3972e-003
tblVehicleEF	LDT2	1.7030e-003	1.7284e-003
tblVehicleEF	LDT2	2.1720e-003	2.2044e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	MDV	0.79	0.79
tblVehicleEF	MDV	1.90	1.91
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	1.8690e-003	1.8968e-003
tblVehicleEF	MDV	2.3260e-003	2.3607e-003
tblVehicleEF	MDV	1.7210e-003	1.7466e-003
tblVehicleEF	MDV	2.1390e-003	2.1709e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.14
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.15

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tblVehicleEF	MDV	0.88	0.89
tblVehicleEF	MDV	1.57	1.58
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	1.8690e-003	1.8968e-003
tblVehicleEF	MDV	2.3260e-003	2.3607e-003
tblVehicleEF	MDV	1.7210e-003	1.7466e-003
tblVehicleEF	MDV	2.1390e-003	2.1709e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.77	0.78
tblVehicleEF	MDV	2.04	2.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	1.8690e-003	1.8968e-003
tblVehicleEF	MDV	2.3260e-003	2.3607e-003
tblVehicleEF	MDV	1.7210e-003	1.7466e-003
tblVehicleEF	MDV	2.1390e-003	2.1709e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.11

Lemon Crest - San Diego County, Summer

tblVehicleEF	:	MDV	:	0.16	:	0.16
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2.0 Emissions Summary

Lemon Crest - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6902	38.8845	29.5348	0.0637	18.2141	1.6360	19.8277	9.9699	1.5051	11.4544	0.0000	6,168.3225	6,168.3225	1.9485	0.0000	6,217.0343
2023	1.6071	14.6290	16.5177	0.0284	0.0942	0.7005	0.7947	0.0255	0.6591	0.6846	0.0000	2,707.5161	2,707.5161	0.6152	0.0000	2,722.8947
2024	17.0812	13.6833	16.4250	0.0284	0.1232	0.6141	0.7083	0.0327	0.5776	0.6031	0.0000	2,704.7865	2,704.7865	0.7167	0.0000	2,720.0726
Maximum	17.0812	38.8845	29.5348	0.0637	18.2141	1.6360	19.8277	9.9699	1.5051	11.4544	0.0000	6,168.3225	6,168.3225	1.9485	0.0000	6,217.0343

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6902	38.8845	29.5348	0.0637	6.8299	1.6360	8.4434	3.7157	1.5051	5.2002	0.0000	6,168.3225	6,168.3225	1.9485	0.0000	6,217.0343
2023	1.6071	14.6290	16.5177	0.0284	0.0872	0.7005	0.7876	0.0237	0.6591	0.6828	0.0000	2,707.5161	2,707.5161	0.6152	0.0000	2,722.8946
2024	17.0812	13.6833	16.4250	0.0284	0.1136	0.6141	0.7012	0.0303	0.5776	0.6013	0.0000	2,704.7865	2,704.7865	0.7167	0.0000	2,720.0726
Maximum	17.0812	38.8845	29.5348	0.0637	6.8299	1.6360	8.4434	3.7157	1.5051	5.2002	0.0000	6,168.3225	6,168.3225	1.9485	0.0000	6,217.0343

Lemon Crest - San Diego County, Summer

	ROG	NOx	CO	SO2	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	61.86	0.00	53.44	62.41	0.00	49.11	0.00	0.00	0.00	0.00	0.00	0.00

Lemon Crest - San Diego County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325
Energy	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892
Mobile	0.3282	1.2400	3.8917	0.0149	1.4396	0.0113	1.4509	0.3847	0.0105	0.3952		1,518.773 1	1,518.773 1	0.0719		1,520.571 2
Total	38.1519	2.1219	51.2820	0.0980	1.4396	6.3907	7.8303	0.3847	6.3899	6.7746	666.5215	1,982.810 5	2,649.332 1	0.6940	0.0558	2,683.292 9

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325
Energy	9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744
Mobile	0.3282	1.2400	3.8917	0.0149	1.4396	0.0113	1.4509	0.3847	0.0105	0.3952		1,518.773 1	1,518.773 1	0.0719		1,520.571 2
Total	38.1447	2.0603	51.2558	0.0977	1.4396	6.3857	7.8253	0.3847	6.3849	6.7696	666.5215	1,904.063 7	2,570.585 2	0.6925	0.0543	2,604.078 1

Lemon Crest - San Diego County, Summer

	ROG	NOx	CO	SO2	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	0.02	2.91	0.05	0.40	0.00	0.08	0.06	0.00	0.08	0.07	0.00	3.97	2.97	0.22	2.60	2.95

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	10/3/2022	10/28/2022	5	20	
2	Site Preparation	Site Preparation	10/29/2022	11/11/2022	5	10	
3	Grading	Grading	11/12/2022	12/23/2022	5	30	
4	Building Construction	Building Construction	12/24/2022	2/16/2024	5	300	
5	Paving	Paving	2/17/2024	3/15/2024	5	20	
6	Architectural Coating	Architectural Coating	3/16/2024	4/12/2024	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 16

Acres of Paving: 3

Residential Indoor: 87,480; Residential Outdoor: 29,160; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Lemon Crest - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Lemon Crest - San Diego County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	9.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0985	0.0000	0.0985	0.0149	0.0000	0.0149			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0985	1.2427	1.3412	0.0149	1.1553	1.1702		3,746.7812	3,746.7812	1.0524		3,773.0920

Lemon Crest - San Diego County, Summer

3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1400e-003	0.1056	0.0281	3.4000e-004	7.8600e-003	3.0000e-004	8.1600e-003	2.1500e-003	2.9000e-004	2.4400e-003		37.5592	37.5592	3.3300e-003		37.6424
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
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639
Total	0.0522	0.1363	0.3980	1.5200e-003	0.1311	1.1300e-003	0.1322	0.0348	1.0600e-003	0.0359		155.2431	155.2431	6.5300e-003		155.4062

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0365	0.0000	0.0365	5.5300e-003	0.0000	5.5300e-003			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0365	1.2427	1.2792	5.5300e-003	1.1553	1.1608	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Lemon Crest - San Diego County, Summer

3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1400e-003	0.1056	0.0281	3.4000e-004	7.3300e-003	3.0000e-004	7.6300e-003	2.0200e-003	2.9000e-004	2.3100e-003		37.5592	37.5592	3.3300e-003		37.6424
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
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1136	8.3000e-004	0.1144	0.0303	7.7000e-004	0.0311		117.6840	117.6840	3.2000e-003		117.7639
Total	0.0522	0.1363	0.3980	1.5200e-003	0.1209	1.1300e-003	0.1221	0.0323	1.0600e-003	0.0334		155.2431	155.2431	6.5300e-003		155.4062

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Lemon Crest - San Diego County, Summer

3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0589	0.0369	0.4440	1.4200e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		141.2208	141.2208	3.8400e-003		141.3166
Total	0.0589	0.0369	0.4440	1.4200e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		141.2208	141.2208	3.8400e-003		141.3166

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	6.6936	1.6126	8.3061	3.6793	1.4836	5.1629	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Lemon Crest - San Diego County, Summer

3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0589	0.0369	0.4440	1.4200e-003	0.1363	1.0000e-003	0.1373	0.0364	9.2000e-004	0.0373		141.2208	141.2208	3.8400e-003		141.3166
Total	0.0589	0.0369	0.4440	1.4200e-003	0.1363	1.0000e-003	0.1373	0.0364	9.2000e-004	0.0373		141.2208	141.2208	3.8400e-003		141.3166

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5877	0.0000	6.5877	3.3713	0.0000	3.3713			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	6.5877	1.6349	8.2226	3.3713	1.5041	4.8754		6,011.4105	6,011.4105	1.9442		6,060.0158

Lemon Crest - San Diego County, Summer

3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185
Total	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4407	0.0000	2.4407	1.2491	0.0000	1.2491			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	2.4407	1.6349	4.0756	1.2491	1.5041	2.7532	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Lemon Crest - San Diego County, Summer

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0654	0.0410	0.4933	1.5700e-003	0.1514	1.1100e-003	0.1526	0.0404	1.0200e-003	0.0415		156.9120	156.9120	4.2600e-003		157.0185
Total	0.0654	0.0410	0.4933	1.5700e-003	0.1514	1.1100e-003	0.1526	0.0404	1.0200e-003	0.0415		156.9120	156.9120	4.2600e-003		157.0185

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Lemon Crest - San Diego County, Summer

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.4400e-003	0.2887	0.0737	8.0000e-004	0.0203	5.5000e-004	0.0209	5.8500e-003	5.3000e-004	6.3700e-003		86.5841	86.5841	6.0500e-003		86.7355
Worker	0.0294	0.0184	0.2220	7.1000e-004	0.0739	5.0000e-004	0.0744	0.0196	4.6000e-004	0.0201		70.6104	70.6104	1.9200e-003		70.6583
Total	0.0379	0.3071	0.2957	1.5100e-003	0.0942	1.0500e-003	0.0953	0.0255	9.9000e-004	0.0264		157.1945	157.1945	7.9700e-003		157.3938

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Lemon Crest - San Diego County, Summer

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.4400e-003	0.2887	0.0737	8.0000e-004	0.0190	5.5000e-004	0.0196	5.5300e-003	5.3000e-004	6.0500e-003		86.5841	86.5841	6.0500e-003		86.7355
Worker	0.0294	0.0184	0.2220	7.1000e-004	0.0682	5.0000e-004	0.0687	0.0182	4.6000e-004	0.0187		70.6104	70.6104	1.9200e-003		70.6583
Total	0.0379	0.3071	0.2957	1.5100e-003	0.0872	1.0500e-003	0.0882	0.0237	9.9000e-004	0.0247		157.1945	157.1945	7.9700e-003		157.3938

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

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

Lemon Crest - San Diego County, Summer

3.5 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.5000e-003	0.2273	0.0675	7.8000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1000e-003		84.3951	84.3951	5.5400e-003		84.5337
Worker	0.0279	0.0168	0.2062	6.8000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201		67.9110	67.9110	1.7600e-003		67.9549
Total	0.0344	0.2441	0.2737	1.4600e-003	0.0942	7.6000e-004	0.0950	0.0255	7.1000e-004	0.0262		152.3062	152.3062	7.3000e-003		152.4886

Mitigated Construction On-Site

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

Lemon Crest - San Diego County, Summer

3.5 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.5000e-003	0.2273	0.0675	7.8000e-004	0.0190	2.7000e-004	0.0193	5.5300e-003	2.6000e-004	5.7800e-003		84.3951	84.3951	5.5400e-003		84.5337
Worker	0.0279	0.0168	0.2062	6.8000e-004	0.0682	4.9000e-004	0.0686	0.0182	4.5000e-004	0.0186		67.9110	67.9110	1.7600e-003		67.9549
Total	0.0344	0.2441	0.2737	1.4600e-003	0.0872	7.6000e-004	0.0879	0.0237	7.1000e-004	0.0244		152.3062	152.3062	7.3000e-003		152.4886

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

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

Lemon Crest - San Diego County, Summer

3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.2800e-003	0.2241	0.0654	7.8000e-004	0.0203	2.6000e-004	0.0206	5.8500e-003	2.5000e-004	6.1000e-003		83.8523	83.8523	5.4800e-003		83.9893
Worker	0.0265	0.0155	0.1928	6.5000e-004	0.0739	4.8000e-004	0.0744	0.0196	4.4000e-004	0.0201		65.2353	65.2353	1.6100e-003		65.2757
Total	0.0328	0.2396	0.2582	1.4300e-003	0.0942	7.4000e-004	0.0950	0.0255	6.9000e-004	0.0262		149.0876	149.0876	7.0900e-003		149.2649

Mitigated Construction On-Site

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

Lemon Crest - San Diego County, Summer

3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.2800e-003	0.2241	0.0654	7.8000e-004	0.0190	2.6000e-004	0.0193	5.5300e-003	2.5000e-004	5.7800e-003		83.8523	83.8523	5.4800e-003		83.9893
Worker	0.0265	0.0155	0.1928	6.5000e-004	0.0682	4.8000e-004	0.0686	0.0182	4.4000e-004	0.0186		65.2353	65.2353	1.6100e-003		65.2757
Total	0.0328	0.2396	0.2582	1.4300e-003	0.0872	7.4000e-004	0.0879	0.0237	6.9000e-004	0.0244		149.0876	149.0876	7.0900e-003		149.2649

3.6 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.3930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3812	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Lemon Crest - San Diego County, Summer

3.6 Paving - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		108.7256	108.7256	2.6900e-003		108.7928
Total	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		108.7256	108.7256	2.6900e-003		108.7928

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.3930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3812	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Lemon Crest - San Diego County, Summer

3.6 Paving - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0441	0.0258	0.3213	1.0900e-003	0.1136	8.0000e-004	0.1144	0.0303	7.4000e-004	0.0311		108.7256	108.7256	2.6900e-003		108.7928
Total	0.0441	0.0258	0.3213	1.0900e-003	0.1136	8.0000e-004	0.1144	0.0303	7.4000e-004	0.0311		108.7256	108.7256	2.6900e-003		108.7928

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.8946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	17.0753	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Lemon Crest - San Diego County, Summer

3.7 Architectural Coating - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	5.8800e-003	3.4300e-003	0.0428	1.5000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		14.4967	14.4967	3.6000e-004		14.5057
Total	5.8800e-003	3.4300e-003	0.0428	1.5000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		14.4967	14.4967	3.6000e-004		14.5057

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.8946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	17.0753	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Lemon Crest - San Diego County, Summer

3.7 Architectural Coating - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	5.8800e-003	3.4300e-003	0.0428	1.5000e-004	0.0151	1.1000e-004	0.0153	4.0400e-003	1.0000e-004	4.1400e-003		14.4967	14.4967	3.6000e-004		14.5057
Total	5.8800e-003	3.4300e-003	0.0428	1.5000e-004	0.0151	1.1000e-004	0.0153	4.0400e-003	1.0000e-004	4.1400e-003		14.4967	14.4967	3.6000e-004		14.5057

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

Lemon Crest - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3282	1.2400	3.8917	0.0149	1.4396	0.0113	1.4509	0.3847	0.0105	0.3952		1,518.773 1	1,518.773 1	0.0719		1,520.571 2
Unmitigated	0.3282	1.2400	3.8917	0.0149	1.4396	0.0113	1.4509	0.3847	0.0105	0.3952		1,518.773 1	1,518.773 1	0.0719		1,520.571 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	228.48	237.84	206.88	647,387	647,387
Total	228.48	237.84	206.88	647,387	647,387

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Single Family Housing	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

Lemon Crest - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744
NaturalGas Unmitigated	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892

Lemon Crest - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1537.77	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892
Total		0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.868422	9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744
Total		9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744

6.0 Area Detail**6.1 Mitigation Measures Area**

Lemon Crest - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325
Unmitigated	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	36.7295	0.7173	45.3386	0.0821		6.3569	6.3569		6.3569	6.3569	666.5215	279.5294	946.0510	0.6151	0.0524	977.0514
Landscaping	0.0606	0.0229	1.9915	1.1000e-004		0.0110	0.0110		0.0110	0.0110		3.5939	3.5939	3.4900e-003		3.6811
Total	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325

Lemon Crest - San Diego County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	36.7295	0.7173	45.3386	0.0821		6.3569	6.3569		6.3569	6.3569	666.5215	279.5294	946.0510	0.6151	0.0524	977.0514
Landscaping	0.0606	0.0229	1.9915	1.1000e-004		0.0110	0.0110		0.0110	0.0110		3.5939	3.5939	3.4900e-003		3.6811
Total	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Lemon Crest - San Diego County, Summer

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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Lemon Crest - San Diego County, Winter

Lemon Crest
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	130.80	1000sqft	3.00	0.00	0
Single Family Housing	24.00	Dwelling Unit	7.79	43,200.00	69

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2025
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	425	CH4 Intensity (lb/MW hr)	0.016	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Lemon Crest - San Diego County, Winter

Project Characteristics - Emissions factors with updated RPS

Land Use - Asphalt surface BSF excluded for painting

Demolition -

Grading - 16 acres disturbed

Architectural Coating - Rule 67.0.1

Area Coating - Rule 67.0.1

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive Dust control

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	250	100
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblGrading	AcresOfGrading	75.00	16.00
tblLandUse	LandUseSquareFeet	130,800.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	720.49	425
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleEF	LDA	0.52	0.52
tblVehicleEF	LDA	1.22	1.23
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	1.7720e-003	1.7984e-003

Lemon Crest - San Diego County, Winter

tblVehicleEF	LDA	2.2510e-003	2.2845e-003
tblVehicleEF	LDA	1.6320e-003	1.6563e-003
tblVehicleEF	LDA	2.0700e-003	2.1008e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.58	0.58
tblVehicleEF	LDA	1.01	1.02
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	1.7720e-003	1.7984e-003
tblVehicleEF	LDA	2.2510e-003	2.2845e-003
tblVehicleEF	LDA	1.6320e-003	1.6563e-003
tblVehicleEF	LDA	2.0700e-003	2.1008e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.51	0.51
tblVehicleEF	LDA	1.31	1.32
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06

Lemon Crest - San Diego County, Winter

tblVehicleEF	LDA	1.7720e-003	1.7984e-003
tblVehicleEF	LDA	2.2510e-003	2.2845e-003
tblVehicleEF	LDA	1.6320e-003	1.6563e-003
tblVehicleEF	LDA	2.0700e-003	2.1008e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDT1	0.97	0.98
tblVehicleEF	LDT1	2.30	2.31
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	2.4490e-003	2.4855e-003
tblVehicleEF	LDT1	3.0260e-003	3.0711e-003
tblVehicleEF	LDT1	2.2550e-003	2.2886e-003
tblVehicleEF	LDT1	2.7820e-003	2.8235e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	1.08	1.08
tblVehicleEF	LDT1	1.90	1.91
tblVehicleEF	LDT1	0.09	0.09

Lemon Crest - San Diego County, Winter

tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.4490e-003	2.4855e-003
tblVehicleEF	LDT1	3.0260e-003	3.0711e-003
tblVehicleEF	LDT1	2.2550e-003	2.2886e-003
tblVehicleEF	LDT1	2.7820e-003	2.8235e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.95	0.96
tblVehicleEF	LDT1	2.47	2.49
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	2.4490e-003	2.4855e-003
tblVehicleEF	LDT1	3.0260e-003	3.0711e-003
tblVehicleEF	LDT1	2.2550e-003	2.2886e-003
tblVehicleEF	LDT1	2.7820e-003	2.8235e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT2	0.58	0.58
tblVehicleEF	LDT2	1.12	1.13

Lemon Crest - San Diego County, Winter

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	1.8520e-003	1.8796e-003
tblVehicleEF	LDT2	2.3620e-003	2.3972e-003
tblVehicleEF	LDT2	1.7030e-003	1.7284e-003
tblVehicleEF	LDT2	2.1720e-003	2.2044e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.65	0.65
tblVehicleEF	LDT2	0.93	0.94
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.8520e-003	1.8796e-003
tblVehicleEF	LDT2	2.3620e-003	2.3972e-003
tblVehicleEF	LDT2	1.7030e-003	1.7284e-003
tblVehicleEF	LDT2	2.1720e-003	2.2044e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.57	0.57

Lemon Crest - San Diego County, Winter

tblVehicleEF	LDT2	1.20	1.21
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	1.8520e-003	1.8796e-003
tblVehicleEF	LDT2	2.3620e-003	2.3972e-003
tblVehicleEF	LDT2	1.7030e-003	1.7284e-003
tblVehicleEF	LDT2	2.1720e-003	2.2044e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	MDV	0.79	0.79
tblVehicleEF	MDV	1.90	1.91
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	1.8690e-003	1.8968e-003
tblVehicleEF	MDV	2.3260e-003	2.3607e-003
tblVehicleEF	MDV	1.7210e-003	1.7466e-003
tblVehicleEF	MDV	2.1390e-003	2.1709e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.14
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.15

Lemon Crest - San Diego County, Winter

tblVehicleEF	MDV	0.88	0.89
tblVehicleEF	MDV	1.57	1.58
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	1.8690e-003	1.8968e-003
tblVehicleEF	MDV	2.3260e-003	2.3607e-003
tblVehicleEF	MDV	1.7210e-003	1.7466e-003
tblVehicleEF	MDV	2.1390e-003	2.1709e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.77	0.78
tblVehicleEF	MDV	2.04	2.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	1.8690e-003	1.8968e-003
tblVehicleEF	MDV	2.3260e-003	2.3607e-003
tblVehicleEF	MDV	1.7210e-003	1.7466e-003
tblVehicleEF	MDV	2.1390e-003	2.1709e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.11

Lemon Crest - San Diego County, Winter

tblVehicleEF	:	MDV	:	0.16	:	0.16
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2.0 Emissions Summary

Lemon Crest - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6992	38.8895	29.5042	0.0636	18.2141	1.6360	19.8277	9.9699	1.5051	11.4544	0.0000	6,158.715 7	6,158.715 7	1.9482	0.0000	6,207.421 5
2023	1.6114	14.6300	16.5111	0.0283	0.0942	0.7005	0.7947	0.0255	0.6592	0.6846	0.0000	2,701.186 4	2,701.186 4	0.6153	0.0000	2,716.570 0
2024	17.0821	13.6842	16.4188	0.0283	0.1232	0.6141	0.7083	0.0327	0.5776	0.6031	0.0000	2,698.652 0	2,698.652 0	0.7165	0.0000	2,713.943 0
Maximum	17.0821	38.8895	29.5042	0.0636	18.2141	1.6360	19.8277	9.9699	1.5051	11.4544	0.0000	6,158.715 7	6,158.715 7	1.9482	0.0000	6,207.421 5

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6992	38.8895	29.5042	0.0636	6.8299	1.6360	8.4434	3.7157	1.5051	5.2002	0.0000	6,158.715 7	6,158.715 7	1.9482	0.0000	6,207.421 5
2023	1.6114	14.6300	16.5111	0.0283	0.0872	0.7005	0.7877	0.0237	0.6592	0.6829	0.0000	2,701.186 4	2,701.186 4	0.6153	0.0000	2,716.570 0
2024	17.0821	13.6842	16.4188	0.0283	0.1136	0.6141	0.7012	0.0303	0.5776	0.6013	0.0000	2,698.652 0	2,698.652 0	0.7165	0.0000	2,713.943 0
Maximum	17.0821	38.8895	29.5042	0.0636	6.8299	1.6360	8.4434	3.7157	1.5051	5.2002	0.0000	6,158.715 7	6,158.715 7	1.9482	0.0000	6,207.421 5

Lemon Crest - San Diego County, Winter

	ROG	NOx	CO	SO2	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	61.86	0.00	53.44	62.41	0.00	49.11	0.00	0.00	0.00	0.00	0.00	0.00

Lemon Crest - San Diego County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325
Energy	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892
Mobile	0.3172	1.2732	3.7999	0.0141	1.4396	0.0113	1.4509	0.3847	0.0106	0.3952		1,442.1207	1,442.1207	0.0721		1,443.9240
Total	38.1409	2.1551	51.1903	0.0973	1.4396	6.3907	7.8303	0.3847	6.3899	6.7746	666.5215	1,906.1581	2,572.6796	0.6942	0.0558	2,606.6457

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325
Energy	9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744
Mobile	0.3172	1.2732	3.7999	0.0141	1.4396	0.0113	1.4509	0.3847	0.0106	0.3952		1,442.1207	1,442.1207	0.0721		1,443.9240
Total	38.1337	2.0934	51.1640	0.0969	1.4396	6.3857	7.8253	0.3847	6.3849	6.7696	666.5215	1,827.4113	2,493.9328	0.6927	0.0543	2,527.4309

Lemon Crest - San Diego County, Winter

	ROG	NOx	CO	SO2	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	0.02	2.86	0.05	0.40	0.00	0.08	0.06	0.00	0.08	0.07	0.00	4.13	3.06	0.22	2.60	3.04

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	10/3/2022	10/28/2022	5	20	
2	Site Preparation	Site Preparation	10/29/2022	11/11/2022	5	10	
3	Grading	Grading	11/12/2022	12/23/2022	5	30	
4	Building Construction	Building Construction	12/24/2022	2/16/2024	5	300	
5	Paving	Paving	2/17/2024	3/15/2024	5	20	
6	Architectural Coating	Architectural Coating	3/16/2024	4/12/2024	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 16

Acres of Paving: 3

Residential Indoor: 87,480; Residential Outdoor: 29,160; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Lemon Crest - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Lemon Crest - San Diego County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	9.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0985	0.0000	0.0985	0.0149	0.0000	0.0149			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0985	1.2427	1.3412	0.0149	1.1553	1.1702		3,746.7812	3,746.7812	1.0524		3,773.0920

Lemon Crest - San Diego County, Winter

3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2200e-003	0.1064	0.0297	3.4000e-004	7.8600e-003	3.0000e-004	8.1700e-003	2.1500e-003	2.9000e-004	2.4500e-003		36.9037	36.9037	3.4300e-003		36.9896
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
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543
Total	0.0590	0.1408	0.3768	1.4500e-003	0.1311	1.1300e-003	0.1322	0.0348	1.0600e-003	0.0359		147.3826	147.3826	6.4500e-003		147.5438

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0365	0.0000	0.0365	5.5300e-003	0.0000	5.5300e-003			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0365	1.2427	1.2792	5.5300e-003	1.1553	1.1608	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Lemon Crest - San Diego County, Winter

3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2200e-003	0.1064	0.0297	3.4000e-004	7.3300e-003	3.0000e-004	7.6300e-003	2.0200e-003	2.9000e-004	2.3200e-003		36.9037	36.9037	3.4300e-003		36.9896
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
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1136	8.3000e-004	0.1144	0.0303	7.7000e-004	0.0311		110.4788	110.4788	3.0200e-003		110.5543
Total	0.0590	0.1408	0.3768	1.4500e-003	0.1209	1.1300e-003	0.1221	0.0323	1.0600e-003	0.0334		147.3826	147.3826	6.4500e-003		147.5438

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Lemon Crest - San Diego County, Winter

3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0669	0.0414	0.4164	1.3300e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		132.5746	132.5746	3.6200e-003		132.6651
Total	0.0669	0.0414	0.4164	1.3300e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		132.5746	132.5746	3.6200e-003		132.6651

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	6.6936	1.6126	8.3061	3.6793	1.4836	5.1629	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Lemon Crest - San Diego County, Winter

3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0669	0.0414	0.4164	1.3300e-003	0.1363	1.0000e-003	0.1373	0.0364	9.2000e-004	0.0373		132.5746	132.5746	3.6200e-003		132.6651
Total	0.0669	0.0414	0.4164	1.3300e-003	0.1363	1.0000e-003	0.1373	0.0364	9.2000e-004	0.0373		132.5746	132.5746	3.6200e-003		132.6651

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5877	0.0000	6.5877	3.3713	0.0000	3.3713			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	6.5877	1.6349	8.2226	3.3713	1.5041	4.8754		6,011.4105	6,011.4105	1.9442		6,060.0158

Lemon Crest - San Diego County, Winter

3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4407	0.0000	2.4407	1.2491	0.0000	1.2491			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	2.4407	1.6349	4.0756	1.2491	1.5041	2.7532	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Lemon Crest - San Diego County, Winter

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1514	1.1100e-003	0.1526	0.0404	1.0200e-003	0.0415		147.3051	147.3051	4.0200e-003		147.4057
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1514	1.1100e-003	0.1526	0.0404	1.0200e-003	0.0415		147.3051	147.3051	4.0200e-003		147.4057

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Lemon Crest - San Diego County, Winter

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.9000e-003	0.2877	0.0821	7.8000e-004	0.0203	5.8000e-004	0.0209	5.8500e-003	5.5000e-004	6.4000e-003		84.3308	84.3308	6.4200e-003		84.4913
Worker	0.0335	0.0207	0.2082	6.7000e-004	0.0739	5.0000e-004	0.0744	0.0196	4.6000e-004	0.0201		66.2873	66.2873	1.8100e-003		66.3326
Total	0.0424	0.3084	0.2903	1.4500e-003	0.0942	1.0800e-003	0.0953	0.0255	1.0100e-003	0.0265		150.6181	150.6181	8.2300e-003		150.8239

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Lemon Crest - San Diego County, Winter

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.9000e-003	0.2877	0.0821	7.8000e-004	0.0190	5.8000e-004	0.0196	5.5300e-003	5.5000e-004	6.0800e-003		84.3308	84.3308	6.4200e-003		84.4913
Worker	0.0335	0.0207	0.2082	6.7000e-004	0.0682	5.0000e-004	0.0687	0.0182	4.6000e-004	0.0187		66.2873	66.2873	1.8100e-003		66.3326
Total	0.0424	0.3084	0.2903	1.4500e-003	0.0872	1.0800e-003	0.0882	0.0237	1.0100e-003	0.0247		150.6181	150.6181	8.2300e-003		150.8239

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

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

Lemon Crest - San Diego County, Winter

3.5 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.8700e-003	0.2263	0.0741	7.6000e-004	0.0203	2.8000e-004	0.0206	5.8500e-003	2.7000e-004	6.1200e-003		82.2208	82.2208	5.8400e-003		82.3669
Worker	0.0318	0.0189	0.1930	6.4000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201		63.7557	63.7557	1.6500e-003		63.7970
Total	0.0386	0.2452	0.2671	1.4000e-003	0.0942	7.7000e-004	0.0950	0.0255	7.2000e-004	0.0262		145.9765	145.9765	7.4900e-003		146.1639

Mitigated Construction On-Site

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

Lemon Crest - San Diego County, Winter

3.5 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.8700e-003	0.2263	0.0741	7.6000e-004	0.0190	2.8000e-004	0.0193	5.5300e-003	2.7000e-004	5.8000e-003		82.2208	82.2208	5.8400e-003		82.3669
Worker	0.0318	0.0189	0.1930	6.4000e-004	0.0682	4.9000e-004	0.0686	0.0182	4.5000e-004	0.0186		63.7557	63.7557	1.6500e-003		63.7970
Total	0.0386	0.2452	0.2671	1.4000e-003	0.0872	7.7000e-004	0.0879	0.0237	7.2000e-004	0.0244		145.9765	145.9765	7.4900e-003		146.1639

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

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

Lemon Crest - San Diego County, Winter

3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6200e-003	0.2231	0.0718	7.6000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1100e-003		81.7071	81.7071	5.7700e-003		81.8513
Worker	0.0303	0.0173	0.1802	6.1000e-004	0.0739	4.8000e-004	0.0744	0.0196	4.4000e-004	0.0201		61.2461	61.2461	1.5200e-003		61.2841
Total	0.0369	0.2404	0.2519	1.3700e-003	0.0942	7.5000e-004	0.0950	0.0255	7.0000e-004	0.0262		142.9531	142.9531	7.2900e-003		143.1353

Mitigated Construction On-Site

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

Lemon Crest - San Diego County, Winter

3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6200e-003	0.2231	0.0718	7.6000e-004	0.0190	2.7000e-004	0.0193	5.5300e-003	2.6000e-004	5.7900e-003		81.7071	81.7071	5.7700e-003		81.8513
Worker	0.0303	0.0173	0.1802	6.1000e-004	0.0682	4.8000e-004	0.0686	0.0182	4.4000e-004	0.0186		61.2461	61.2461	1.5200e-003		61.2841
Total	0.0369	0.2404	0.2519	1.3700e-003	0.0872	7.5000e-004	0.0879	0.0237	7.0000e-004	0.0244		142.9531	142.9531	7.2900e-003		143.1353

3.6 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.3930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3812	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Lemon Crest - San Diego County, Winter

3.6 Paving - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		102.0768	102.0768	2.5300e-003		102.1401
Total	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		102.0768	102.0768	2.5300e-003		102.1401

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.3930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3812	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Lemon Crest - San Diego County, Winter

3.6 Paving - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.0504	0.0289	0.3003	1.0200e-003	0.1136	8.0000e-004	0.1144	0.0303	7.4000e-004	0.0311		102.0768	102.0768	2.5300e-003		102.1401
Total	0.0504	0.0289	0.3003	1.0200e-003	0.1136	8.0000e-004	0.1144	0.0303	7.4000e-004	0.0311		102.0768	102.0768	2.5300e-003		102.1401

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.8946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	17.0753	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Lemon Crest - San Diego County, Winter

3.7 Architectural Coating - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	6.7300e-003	3.8500e-003	0.0400	1.4000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		13.6102	13.6102	3.4000e-004		13.6187
Total	6.7300e-003	3.8500e-003	0.0400	1.4000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		13.6102	13.6102	3.4000e-004		13.6187

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.8946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	17.0753	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Lemon Crest - San Diego County, Winter

3.7 Architectural Coating - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	6.7300e-003	3.8500e-003	0.0400	1.4000e-004	0.0151	1.1000e-004	0.0153	4.0400e-003	1.0000e-004	4.1400e-003		13.6102	13.6102	3.4000e-004		13.6187
Total	6.7300e-003	3.8500e-003	0.0400	1.4000e-004	0.0151	1.1000e-004	0.0153	4.0400e-003	1.0000e-004	4.1400e-003		13.6102	13.6102	3.4000e-004		13.6187

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

Lemon Crest - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3172	1.2732	3.7999	0.0141	1.4396	0.0113	1.4509	0.3847	0.0106	0.3952		1,442.1207	1,442.1207	0.0721		1,443.9240
Unmitigated	0.3172	1.2732	3.7999	0.0141	1.4396	0.0113	1.4509	0.3847	0.0106	0.3952		1,442.1207	1,442.1207	0.0721		1,443.9240

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	228.48	237.84	206.88	647,387	647,387
Total	228.48	237.84	206.88	647,387	647,387

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Single Family Housing	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

Lemon Crest - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744
NaturalGas Unmitigated	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892

Lemon Crest - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1537.77	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892
Total		0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.9141	180.9141	3.4700e-003	3.3200e-003	181.9892

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.868422	9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744
Total		9.3700e-003	0.0800	0.0341	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003		102.1673	102.1673	1.9600e-003	1.8700e-003	102.7744

6.0 Area Detail**6.1 Mitigation Measures Area**

Lemon Crest - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325
Unmitigated	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	36.7295	0.7173	45.3386	0.0821		6.3569	6.3569		6.3569	6.3569	666.5215	279.5294	946.0510	0.6151	0.0524	977.0514
Landscaping	0.0606	0.0229	1.9915	1.1000e-004		0.0110	0.0110		0.0110	0.0110		3.5939	3.5939	3.4900e-003		3.6811
Total	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325

Lemon Crest - San Diego County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9245					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	36.7295	0.7173	45.3386	0.0821		6.3569	6.3569		6.3569	6.3569	666.5215	279.5294	946.0510	0.6151	0.0524	977.0514
Landscaping	0.0606	0.0229	1.9915	1.1000e-004		0.0110	0.0110		0.0110	0.0110		3.5939	3.5939	3.4900e-003		3.6811
Total	37.8072	0.7402	47.3300	0.0823		6.3679	6.3679		6.3679	6.3679	666.5215	283.1233	949.6448	0.6186	0.0524	980.7325

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

Lemon Crest - San Diego County, Winter

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
