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**Updated Technical Air Quality & Greenhouse Gas  
Emission Report  
for  
611 Gayley Avenue**

Date: 11/22/2016

Submitted in PLUM Committee

Council File No: 16-0972

Item No. 7

~~City~~ Comm from Applicant

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## INTRODUCTION

This memo provides an update to the air quality and greenhouse gas emission analysis in the 2015 Mitigated Negative Declaration (“2015 MND”) (dated June 10, 2015) and the Localized Significance Threshold (LST) (March 2015) analysis of the 611 Gayley Avenue Project (“Project”). Air quality and greenhouse gas emissions were calculated with the recently updated CARB-approved California Emissions Estimator Model (CalEEMod v.2016.3.1) computer program as recommended by SCAQMD.

The analysis contained in the reports supports the 2015 MND conclusion that the Project will not result in any new significant impacts nor any substantial increase in the severity of any of the potential significant impacts previously identified.

## ASSUMPTIONS

The following assumptions were made in the CalEEMod computer program:

### Land Uses

- 31 spaces, enclosed parking; 13,964 square feet
- 22 dwelling units, residential; 15,481 square feet

### Construction

- Construction period would begin November 2016 and end April 2018.
- Construction would occur over five phases: (1) site preparation, which would last approximately 1 day; (2) grading, which would last approximately 65 days; (3) building construction, which would last approximately 371 days; (4) paving, which would last approximately 5 days; and (5) architectural coating, which would last approximately 5 days.
- Construction equipment utilized will meet Tier 3 requirements.
- Construction hours would consist of 8-hour days (7:00 AM–4:00 PM), 6 days per week.
- Export of 5,535 cubic yards of soil would occur.
- Haul route to 195 W. Los Angeles Avenue, Simi Valley 93065 (72 miles roundtrip).

Each phase of construction would result in varying levels of intensity and number of construction personnel. The construction workforce would consist of 5 worker trips per day during site preparation; 10 worker trips per day and 370 total hauling trips during grading; 22 worker trips per day during building construction; 18 worker trips per day during paving; and 4 worker trips per day during architectural coating.

## AIR QUALITY EMISSIONS

### Construction

Maximum daily emissions of air pollutants during construction and operation of the Project were calculated using CalEEMod. **Table 1, Maximum Construction Emissions**, identified daily emissions that are estimated for peak construction days for each construction phase. Construction of the Project would not generate any significant environmental impacts associated with air quality compliance.

**Table 1**  
**Maximum Construction Emissions**

Source	ROG	NOx	CO	SOx	PM10	PM2.5
	pounds/day					
Year 2016	0.59	12.40	9.99	0.03	1.41	0.79
Year 2017	0.53	11.75	9.77	0.03	1.61	0.83
Year 2018	20.23	5.48	7.80	0.01	0.62	0.41
Maximum emissions	20.23	12.40	9.99	0.03	1.61	0.83
SCAQMD threshold	75	100	550	150	150	55
Threshold exceeded?	No	No	No	No	No	No

Source: CalEEMod 2016.3.1

Notes:

Refer to **Appendix A** for Air Quality Modeling Sheets.

Includes implementation of fugitive dust control measures required by SCAQMD under Rule 403 and 403.1, including watering disturbed areas a minimum of 3 times per day, replacing ground covers, and utilizing Tier 3 equipment.

CO = carbon monoxide; NOx = nitrogen oxides; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns; ROG = reactive organic gas; SOx = sulfur oxides.

### Operation

The results presented in **Table 2, Maximum Operational Emissions**, are compared to the SCAQMD established operational significance threshold. Air quality impacts during operation of the Project would remain less than significant.

**Table 2**  
**Maximum Operational Emissions**

Source	ROG	NOx	CO	SOx	PM10	PM 2.5
	pounds/day					
Area	0.67	0.02	1.83	—*	—*	—*
Energy	—*	0.06	0.03	—*	0.01	0.01
Mobile	0.35	0.66	3.88	—*	0.69	0.19
Total	1.02	0.74	5.74	—*	0.70	0.20
SCAQMD Threshold	55	55	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Source: CalEEMod 2016.3.1.

Refer to **Appendix A** for Air Quality Modeling Sheets.

Totals in table may not appear to add exactly due to rounding in the computer model calculations.

\* Results are negligible.

### Localized Significance Threshold

The small size of the Project (0.207 acres) warrants that the emissions should be compared to the most stringent LST mass rate emissions thresholds associated with a 1-acre site. The LST values selected for this analysis are based on a 1-acre project in Source Receptor Area 2, with sensitive receptors within 25 meters of the Project boundary. The results of the LST analysis are provided in **Table 3, Localized Significance Threshold (LST) Emissions**. Construction and operational activities for any of the four air pollutants analyzed would not exceed the applicable LSTs.

**Table 3**  
**Localized Significance Threshold (LST) Emissions**

Source	NOx	CO	PM10	PM2.5
	pounds/day			
<b>Construction</b>				
Total Mitigated Maximum Emissions	5.96	7.94	0.70	0.56
LST Threshold	103	562	4	3
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
<b>Operational</b>				
Area/Energy Emissions	0.08	1.86	0.02	0.02
LST Threshold	103	562	1	1
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: CalEEMod 2016.3.1

Notes:

Refer to **Appendix A** for Air Quality Modeling Sheets.

Totals in table may not appear to add exactly due to rounding in the computer model calculations.

CO = carbon monoxide; NOx = nitrogen oxide; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns.

## GREENHOUSE GAS EMISSIONS

A summary of the GHG emissions for the construction phases is provided in **Table 4, Proposed Project Construction-Related Greenhouse Gas Emissions**. As shown, total construction emissions would be approximately 307.81 MTCO<sub>2</sub>e/year. Construction emissions amortized over 30 years would be approximately 10.26 MTCO<sub>2</sub>e/year.

**Table 4**  
**Proposed Project Construction-Related Greenhouse Gas Emissions**

Year	CO <sub>2</sub> e Emissions (Metric Tons per Year)*
2017	53.25
2018	202.04
2019	52.52
<b>Total Construction GHG Emissions</b>	<b>307.81</b>
<b>Annualized over Project's Lifetime</b>	<b>10.26</b>

Source: CalEEMod 2016.3.1

Note: Refer to **Appendix A** for Air Quality Modeling Sheets.

For comparative purposes, SCAQMD recommends that construction-related GHG emissions be amortized over the assumed operational lifetime of a project, which is recommended by SCAQMD as 30 years.

\*N<sub>2</sub>O emissions account for 0.01 MTCO<sub>2</sub>e/year.

The annual net GHG emissions associated with operation of the Project are provided in **Table 5, Proposed Project Operational Greenhouse Gas Emissions**. As shown in **Table 5**, the GHG emissions generated by the Project would be 283.65 MTCO<sub>2</sub>e/year, below the SCAQMD screening threshold for residential projects.

**Table 5  
Proposed Project Operational Greenhouse Gas Emissions**

<b>GHG Emissions Source</b>	<b>Emissions (MTCO<sub>2</sub>e/year)</b>
Construction (amortized)	10.26
Operational (Mobile) sources*	129.33
Area sources	0.38
Energy	120.62
Waste	5.09
Water	17.97
<b>Total Emissions</b>	<b>283.65</b>
<b>SCAQMD Threshold</b>	<b>3,500</b>
<b>Exceeds Threshold?</b>	<b>No</b>

Source: CalEEMod 2016.3.1

Notes:

Refer to **Appendix A** for Air Quality Modeling Sheets.

Construction emissions are shown in Table 4 on the previous page.

Totals in table may not appear to add exactly due to rounding in the computer model calculations.

MTCO<sub>2</sub>e = metric tons of carbon dioxide emissions.

\* N<sub>2</sub>O emissions are negligible.

**APPENDIX A**

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**CalEEMod Air Quality and Greenhouse Gas Emissions Files**



611 Gayley - Los Angeles-South Coast County, Annual

**611 Gayley**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	31.00	Space	0.00	13,964.00	0
Condo/Townhouse High Rise	22.00	Dwelling Unit	0.21	15,481.00	100

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics -

Land Use - According to site plans and maximum occupancy of 100 people.

Construction Phase - Hauling of earth shall be completed within the maximum time limit of 65 hauling days (5,535 cy)

Off-road Equipment - No cranes

Trips and VMT - 450 cy per day of 5535 cy of export = 370 total hauling trips  
Haul to 195 W. Los Angeles, Simi Valley 93065

Grading - 5,535 cubic yards of export

Woodstoves - No woodstoves, no fireplaces

Construction Off-road Equipment Mitigation - SCAQMD Dust Control Rule 403  
Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. Project will utilize Tier 3

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	371.00
tblConstructionPhase	NumDays	2.00	65.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	18.70	0.00
tblFireplaces	NumberNoFireplace	2.20	0.00
tblFireplaces	NumberWood	1.10	0.00
tblGrading	AcresOfGrading	0.00	0.20
tblGrading	AcresOfGrading	0.50	0.20
tblGrading	MaterialExported	0.00	5,535.00
tblLandUse	BuildingSpaceSquareFeet	12,400.00	13,964.00
tblLandUse	BuildingSpaceSquareFeet	22,000.00	15,481.00
tblLandUse	LandUseSquareFeet	12,400.00	13,964.00
tblLandUse	LandUseSquareFeet	22,000.00	15,481.00
tblLandUse	LotAcreage	0.28	0.00

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tblLandUse	LotAcreage	0.34	0.21
tblLandUse	Population	63.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripNumber	692.00	370.00
tblWoodstoves	NumberCatalytic	1.10	0.00
tblWoodstoves	NumberNoncatalytic	1.10	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

**2.0 Emissions Summary**

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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					
2016	0.0322	0.3526	0.1981	5.6000e-004	0.0375	0.0172	0.0546	0.0168	0.0164	0.0332	0.0000	53.0999	53.0999	6.1900e-003	0.0000	53.2545
2017	0.1785	1.5879	1.2907	2.1600e-003	0.0750	0.1089	0.1839	0.0269	0.1006	0.1274	0.0000	201.0067	201.0067	0.0413	0.0000	202.0401
2018	0.0939	0.3821	0.3565	5.7000e-004	0.0122	0.0258	0.0380	3.2700e-003	0.0238	0.0270	0.0000	52.2260	52.2260	0.0118	0.0000	52.5208
Maximum	0.1785	1.5879	1.2907	2.1600e-003	0.0750	0.1089	0.1839	0.0269	0.1006	0.1274	0.0000	201.0067	201.0067	0.0413	0.0000	202.0401

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					
2016	0.0114	0.2466	0.1978	5.6000e-004	0.0222	9.1000e-003	0.0313	8.5800e-003	9.0500e-003	0.0176	0.0000	53.0998	53.0998	6.1900e-003	0.0000	53.2545
2017	0.0602	0.9472	1.2574	2.1600e-003	0.0598	0.0545	0.1144	0.0186	0.0544	0.0731	0.0000	201.0066	201.0066	0.0413	0.0000	202.0400
2018	0.0664	0.2489	0.3529	5.7000e-004	0.0122	0.0154	0.0276	3.2700e-003	0.0154	0.0187	0.0000	52.2259	52.2259	0.0118	0.0000	52.5208
Maximum	0.0664	0.9472	1.2574	2.1600e-003	0.0598	0.0545	0.1144	0.0186	0.0544	0.0731	0.0000	201.0066	201.0066	0.0413	0.0000	202.0400

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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	54.69	37.89	2.01	0.00	24.41	47.96	37.34	35.08	43.93	41.73	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	11-16-2016	2-15-2017	0.6827	0.4539
2	2-16-2017	5-15-2017	0.4086	0.2252
3	5-16-2017	8-15-2017	0.4218	0.2322
4	8-16-2017	11-15-2017	0.4224	0.2328
5	11-16-2017	2-15-2018	0.3947	0.2318
6	2-16-2018	5-15-2018	0.2900	0.1992
		Highest	0.6827	0.4539

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0690	2.6600e-003	0.2289	1.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	0.3714	0.3714	3.7000e-004	0.0000	0.3806
Energy	1.3200e-003	0.0113	4.8100e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	120.3201	120.3201	2.7800e-003	7.6000e-004	120.6174
Mobile	0.0585	0.1162	0.6779	1.4200e-003	0.1157	1.4700e-003	0.1171	0.0309	1.3700e-003	0.0323	0.0000	129.1049	129.1049	9.1100e-003	0.0000	129.3328
Waste						0.0000	0.0000		0.0000	0.0000	2.0543	0.0000	2.0543	0.1214	0.0000	5.0894
Water						0.0000	0.0000		0.0000	0.0000	0.4548	15.9869	16.4417	0.0471	1.1800e-003	17.9707
Total	0.1288	0.1302	0.9116	1.5000e-003	0.1157	3.6300e-003	0.1193	0.0309	3.6300e-003	0.0344	2.6090	265.7833	268.2923	0.1807	1.9400e-003	273.3908

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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	0.0690	2.6600e-003	0.2289	1.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	0.3714	0.3714	3.7000e-004	0.0000	0.3806
Energy	1.3200e-003	0.0113	4.8100e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	120.3201	120.3201	2.7800e-003	7.6000e-004	120.6174
Mobile	0.0585	0.1162	0.6779	1.4200e-003	0.1157	1.4700e-003	0.1171	0.0309	1.3700e-003	0.0323	0.0000	129.1049	129.1049	9.1100e-003	0.0000	129.3328
Waste						0.0000	0.0000		0.0000	0.0000	2.0543	0.0000	2.0543	0.1214	0.0000	5.0894
Water						0.0000	0.0000		0.0000	0.0000	0.4548	15.9869	16.4417	0.0471	1.1800e-003	17.9707
Total	0.1288	0.1302	0.9116	1.6000e-003	0.1167	3.6300e-003	0.1193	0.0309	3.5300e-003	0.0344	2.5090	266.7833	268.2923	0.1807	1.9400e-003	273.3908

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/16/2016	11/16/2016	6	1	
2	Grading	Grading	11/17/2016	1/31/2017	6	65	
3	Building Construction	Building Construction	2/1/2017	4/9/2018	6	371	
4	Paving	Paving	4/10/2018	4/14/2018	6	5	
5	Architectural Coating	Architectural Coating	4/15/2018	4/20/2018	6	5	

Acres of Grading (Site Preparation Phase): 0.2

Acres of Grading (Grading Phase): 0.2

Acres of Paving: 0

Residential Indoor: 31,349; Residential Outdoor: 10,450; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 838 (Architectural Coating – sqft)

OffRoad Equipment



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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	370.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	22.00	5.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

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3.2 Site Preparation - 2016

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					1.1000e-004	0.0000	1.1000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4000e-004	5.4600e-003	2.1900e-003	0.0000		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004	0.0000	0.4607	0.4607	1.4000e-004	0.0000	0.4642
<b>Total</b>	<b>4.4000e-004</b>	<b>5.4600e-003</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>2.5000e-004</b>	<b>3.6000e-004</b>	<b>1.0000e-005</b>	<b>2.3000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.4607</b>	<b>0.4607</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4642</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0287	0.0287	0.0000	0.0000	0.0287
<b>Total</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0287</b>	<b>0.0287</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0287</b>

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3.2 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-004	2.4400e-003	2.9300e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.4607	0.4607	1.4000e-004	0.0000	0.4641
<b>Total</b>	<b>1.2000e-004</b>	<b>2.4400e-003</b>	<b>2.9300e-003</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>1.2000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.4607</b>	<b>0.4607</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4641</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0287	0.0287	0.0000	0.0000	0.0287
<b>Total</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0287</b>	<b>0.0287</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0287</b>

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3.3 Grading - 2016

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					0.0249	0.0000	0.0249	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0257	0.2193	0.1558	2.3000e-004		0.0158	0.0158		0.0151	0.0151	0.0000	21.0362	21.0362	4.2000e-003	0.0000	21.1411
<b>Total</b>	<b>0.0257</b>	<b>0.2193</b>	<b>0.1558</b>	<b>2.3000e-004</b>	<b>0.0249</b>	<b>0.0158</b>	<b>0.0407</b>	<b>0.0135</b>	<b>0.0151</b>	<b>0.0286</b>	<b>0.0000</b>	<b>21.0362</b>	<b>21.0362</b>	<b>4.2000e-003</b>	<b>0.0000</b>	<b>21.1411</b>

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	4.7000e-003	0.1266	0.0269	3.0000e-004	0.0103	1.1300e-003	0.0114	2.7300e-003	1.0800e-003	3.8100e-003	0.0000	29.3349	29.3349	1.7400e-003	0.0000	29.3786
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3900e-003	1.2200e-003	0.0130	2.0000e-005	2.1400e-003	2.0000e-005	2.1600e-003	5.7000e-004	2.0000e-005	5.9000e-004	0.0000	2.2394	2.2394	1.0000e-004	0.0000	2.2420
<b>Total</b>	<b>6.0900e-003</b>	<b>0.1278</b>	<b>0.0399</b>	<b>3.2000e-004</b>	<b>0.0124</b>	<b>1.1500e-003</b>	<b>0.0136</b>	<b>3.3000e-003</b>	<b>1.1000e-003</b>	<b>4.4000e-003</b>	<b>0.0000</b>	<b>31.5743</b>	<b>31.5743</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>31.6205</b>

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3.3 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.7000e-003	0.0000	9.7000e-003	5.2700e-003	0.0000	5.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1700e-003	0.1163	0.1548	2.3000e-004		7.8300e-003	7.8300e-003		7.8300e-003	7.8300e-003	0.0000	21.0362	21.0362	4.2000e-003	0.0000	21.1411
<b>Total</b>	<b>5.1700e-003</b>	<b>0.1163</b>	<b>0.1548</b>	<b>2.3000e-004</b>	<b>9.7000e-003</b>	<b>7.8300e-003</b>	<b>0.0175</b>	<b>5.2700e-003</b>	<b>7.8300e-003</b>	<b>0.0131</b>	<b>0.0000</b>	<b>21.0362</b>	<b>21.0362</b>	<b>4.2000e-003</b>	<b>0.0000</b>	<b>21.1411</b>

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	4.7000e-003	0.1266	0.0269	3.0000e-004	0.0103	1.1300e-003	0.0114	2.7300e-003	1.0800e-003	3.8100e-003	0.0000	29.3349	29.3349	1.7400e-003	0.0000	29.3785
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3900e-003	1.2200e-003	0.0130	2.0000e-005	2.1400e-003	2.0000e-005	2.1600e-003	5.7000e-004	2.0000e-005	5.9000e-004	0.0000	2.2394	2.2394	1.0000e-004	0.0000	2.2420
<b>Total</b>	<b>6.0900e-003</b>	<b>0.1278</b>	<b>0.0399</b>	<b>3.2000e-004</b>	<b>0.0124</b>	<b>1.1500e-003</b>	<b>0.0136</b>	<b>3.3000e-003</b>	<b>1.1000e-003</b>	<b>4.4000e-003</b>	<b>0.0000</b>	<b>31.5743</b>	<b>31.5743</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>31.6205</b>

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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					0.0249	0.0000	0.0249	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1365	0.1029	1.6000e-004		9.5100e-003	9.5100e-003		9.0700e-003	9.0700e-003	0.0000	13.9081	13.9081	2.7300e-003	0.0000	13.9764
<b>Total</b>	<b>0.0157</b>	<b>0.1365</b>	<b>0.1029</b>	<b>1.6000e-004</b>	<b>0.0249</b>	<b>9.5100e-003</b>	<b>0.0344</b>	<b>0.0135</b>	<b>9.0700e-003</b>	<b>0.0226</b>	<b>0.0000</b>	<b>13.9081</b>	<b>13.9081</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>13.9764</b>

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	2.5800e-003	0.0759	0.0162	2.0000e-004	9.7400e-003	4.7000e-004	0.0102	2.5200e-003	4.5000e-004	2.9700e-003	0.0000	19.3131	19.3131	1.1500e-003	0.0000	19.3418
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	8.2000e-004	7.1000e-004	7.5900e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.4554	1.4554	6.0000e-005	0.0000	1.4569
<b>Total</b>	<b>3.4000e-003</b>	<b>0.0766</b>	<b>0.0238</b>	<b>2.2000e-004</b>	<b>0.0112</b>	<b>4.8000e-004</b>	<b>0.0117</b>	<b>2.9000e-003</b>	<b>4.6000e-004</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>20.7685</b>	<b>20.7685</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>20.7986</b>

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.7000e-003	0.0000	9.7000e-003	5.2700e-003	0.0000	5.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4500e-003	0.0775	0.1032	1.6000e-004		5.2200e-003	5.2200e-003		5.2200e-003	5.2200e-003	0.0000	13.9080	13.9080	2.7300e-003	0.0000	13.9764
Total	3.4500e-003	0.0775	0.1032	1.6000e-004	9.7000e-003	5.2200e-003	0.0149	5.2700e-003	5.2200e-003	0.0105	0.0000	13.9080	13.9080	2.7300e-003	0.0000	13.9764

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	2.5800e-003	0.0759	0.0162	2.0000e-004	9.7400e-003	4.7000e-004	0.0102	2.5200e-003	4.5000e-004	2.9700e-003	0.0000	19.3131	19.3131	1.1500e-003	0.0000	19.3418
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	8.2000e-004	7.1000e-004	7.5900e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.4554	1.4554	6.0000e-005	0.0000	1.4569
Total	3.4000e-003	0.0766	0.0238	2.2000e-004	0.0112	4.8000e-004	0.0117	2.9000e-003	4.6000e-004	3.3600e-003	0.0000	20.7685	20.7685	1.2100e-003	0.0000	20.7986

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**3.4 Building Construction - 2017**

**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	0.1359	1.2623	0.9526	1.2200e-003		0.0978	0.0978		0.0900	0.0900	0.0000	112.9812	112.9812	0.0346	0.0000	113.8466
Total	0.1359	1.2623	0.9526	1.2200e-003		0.0978	0.0978		0.0900	0.0900	0.0000	112.9812	112.9812	0.0346	0.0000	113.8466

**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	3.8000e-003	0.0954	0.0278	1.9000e-004	4.5000e-003	7.9000e-004	5.2900e-003	1.3000e-003	7.5000e-004	2.0500e-003	0.0000	18.1297	18.1297	1.3100e-003	0.0000	18.1623
Worker	0.0198	0.0172	0.1836	3.9000e-004	0.0345	3.3000e-004	0.0348	9.1600e-003	3.0000e-004	9.4600e-003	0.0000	35.2194	35.2194	1.4700e-003	0.0000	35.2561
Total	0.0236	0.1125	0.2114	5.8000e-004	0.0390	1.1200e-003	0.0401	0.0105	1.0600e-003	0.0115	0.0000	53.3491	53.3491	2.7800e-003	0.0000	53.4184



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3.4 Building Construction - 2017

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	0.0298	0.6806	0.9190	1.2200e-003		0.0477	0.0477		0.0477	0.0477	0.0000	112.9810	112.9810	0.0346	0.0000	113.8465
<b>Total</b>	<b>0.0298</b>	<b>0.6806</b>	<b>0.9190</b>	<b>1.2200e-003</b>		<b>0.0477</b>	<b>0.0477</b>		<b>0.0477</b>	<b>0.0477</b>	<b>0.0000</b>	<b>112.9810</b>	<b>112.9810</b>	<b>0.0346</b>	<b>0.0000</b>	<b>113.8465</b>

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	3.8000e-003	0.0954	0.0278	1.9000e-004	4.5000e-003	7.9000e-004	5.2900e-003	1.3000e-003	7.5000e-004	2.0500e-003	0.0000	18.1297	18.1297	1.3100e-003	0.0000	18.1623
Worker	0.0198	0.0172	0.1836	3.9000e-004	0.0345	3.3000e-004	0.0348	9.1600e-003	3.0000e-004	9.4600e-003	0.0000	35.2194	35.2194	1.4700e-003	0.0000	35.2561
<b>Total</b>	<b>0.0236</b>	<b>0.1126</b>	<b>0.2114</b>	<b>5.8000e-004</b>	<b>0.0390</b>	<b>1.1200e-003</b>	<b>0.0401</b>	<b>0.0105</b>	<b>1.0500e-003</b>	<b>0.0115</b>	<b>0.0000</b>	<b>53.3491</b>	<b>53.3491</b>	<b>2.7800e-003</b>	<b>0.0000</b>	<b>53.4184</b>

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**3.4 Building Construction - 2018**

**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	0.0340	0.3239	0.2758	3.6000e-004		0.0239	0.0239		0.0219	0.0219	0.0000	33.0124	33.0124	0.0103	0.0000	33.2693
<b>Total</b>	<b>0.0340</b>	<b>0.3239</b>	<b>0.2758</b>	<b>3.6000e-004</b>		<b>0.0239</b>	<b>0.0239</b>		<b>0.0219</b>	<b>0.0219</b>	<b>0.0000</b>	<b>33.0124</b>	<b>33.0124</b>	<b>0.0103</b>	<b>0.0000</b>	<b>33.2693</b>

**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	1.0000e-003	0.0266	7.4800e-003	6.0000e-005	1.3400e-003	1.8000e-004	1.5200e-003	3.9000e-004	1.8000e-004	5.6000e-004	0.0000	5.3692	5.3692	3.7000e-004	0.0000	5.3784
Worker	5.1800e-003	4.4300e-003	0.0477	1.1000e-004	0.0103	9.0000e-005	0.0103	2.7200e-003	9.0000e-005	2.8100e-003	0.0000	10.1802	10.1802	3.8000e-004	0.0000	10.1898
<b>Total</b>	<b>6.1800e-003</b>	<b>0.0310</b>	<b>0.0552</b>	<b>1.7000e-004</b>	<b>0.0116</b>	<b>2.7000e-004</b>	<b>0.0119</b>	<b>3.1100e-003</b>	<b>2.7000e-004</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>15.5494</b>	<b>15.5494</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>15.5682</b>

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3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8600e-003	0.2023	0.2731	3.6000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	33.0123	33.0123	0.0103	0.0000	33.2693
Total	8.8600e-003	0.2023	0.2731	3.6000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	33.0123	33.0123	0.0103	0.0000	33.2693

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	1.0000e-003	0.0266	7.4800e-003	6.0000e-005	1.3400e-003	1.8000e-004	1.5200e-003	3.9000e-004	1.8000e-004	5.6000e-004	0.0000	5.3692	5.3692	3.7000e-004	0.0000	5.3784
Worker	5.1800e-003	4.4300e-003	0.0477	1.1000e-004	0.0103	9.0000e-005	0.0103	2.7200e-003	9.0000e-005	2.8100e-003	0.0000	10.1802	10.1802	3.8000e-004	0.0000	10.1898
Total	6.1800e-003	0.0310	0.0652	1.7000e-004	0.0116	2.7000e-004	0.0119	3.1100e-003	2.7000e-004	3.3700e-003	0.0000	15.5494	15.5494	7.5000e-004	0.0000	15.5682

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**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.3000e-003</b>	<b>0.0219</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>1.2800e-003</b>	<b>1.2800e-003</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>2.4270</b>	<b>2.4270</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.4441</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	2.1000e-004	2.2900e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4900	0.4900	2.0000e-005	0.0000	0.4904
<b>Total</b>	<b>2.5000e-004</b>	<b>2.1000e-004</b>	<b>2.2900e-003</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4900</b>	<b>0.4900</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.4904</b>

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3.5 Paving - 2018

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	5.6000e-004	0.0119	0.0173	3.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.6000e-004</b>	<b>0.0119</b>	<b>0.0173</b>	<b>3.0000e-005</b>		<b>7.3000e-004</b>	<b>7.3000e-004</b>		<b>7.3000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>2.4270</b>	<b>2.4270</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.4441</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	2.1000e-004	2.2900e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4900	0.4900	2.0000e-005	0.0000	0.4904
<b>Total</b>	<b>2.5000e-004</b>	<b>2.1000e-004</b>	<b>2.2900e-003</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4900</b>	<b>0.4900</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.4904</b>

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**3.6 Architectural Coating - 2018**

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	0.0504					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5000e-004	5.0100e-003	4.6400e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.6383	0.6383	6.0000e-005	0.0000	0.6398
<b>Total</b>	<b>0.0511</b>	<b>5.0100e-003</b>	<b>4.6400e-003</b>	<b>1.0000e-005</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.6398</b>

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	5.0000e-005	5.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1089	0.1089	0.0000	0.0000	0.1090
<b>Total</b>	<b>6.0000e-005</b>	<b>5.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1089</b>	<b>0.1089</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1090</b>

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3.6 Architectural Coating - 2018

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	0.0504					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	3.3900e-003	4.5800e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	6.0000e-005	0.0000	0.6398
<b>Total</b>	<b>0.0505</b>	<b>3.3900e-003</b>	<b>4.5800e-003</b>	<b>1.0000e-005</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.6398</b>

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	5.0000e-005	5.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1089	0.1089	0.0000	0.0000	0.1090
<b>Total</b>	<b>6.0000e-005</b>	<b>5.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1089</b>	<b>0.1089</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1090</b>

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0585	0.1162	0.6779	1.4200e-003	0.1157	1.4700e-003	0.1171	0.0309	1.3700e-003	0.0323	0.0000	129.1049	129.1049	9.1100e-003	0.0000	129.3328
Unmitigated	0.0585	0.1162	0.6779	1.4200e-003	0.1157	1.4700e-003	0.1171	0.0309	1.3700e-003	0.0323	0.0000	129.1049	129.1049	9.1100e-003	0.0000	129.3328

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	91.96	94.82	75.46	307,583	307,583
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	91.96	94.82	75.46	307,583	307,583

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
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix



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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.556701	0.048171	0.192127	0.129262	0.018516	0.005337	0.012007	0.007260	0.001322	0.000777	0.024059	0.000608	0.003854
Condo/Townhouse High Rise	0.556701	0.048171	0.192127	0.129262	0.018516	0.005337	0.012007	0.007260	0.001322	0.000777	0.024059	0.000608	0.003854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	107.2183	107.2183	2.5300e-003	5.2000e-004	107.4377
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	107.2183	107.2183	2.5300e-003	5.2000e-004	107.4377
NaturalGas Mitigated	1.3200e-003	0.0113	4.8100e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.1018	13.1018	2.5000e-004	2.4000e-004	13.1796
NaturalGas Unmitigated	1.3200e-003	0.0113	4.8100e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.1018	13.1018	2.5000e-004	2.4000e-004	13.1796

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse High Rise	245518	1.3200e-003	0.0113	4.8100e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.1018	13.1018	2.5000e-004	2.4000e-004	13.1796
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.3200e-003</b>	<b>0.0113</b>	<b>4.8100e-003</b>	<b>7.0000e-005</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>13.1018</b>	<b>13.1018</b>	<b>2.5000e-004</b>	<b>2.4000e-004</b>	<b>13.1796</b>

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse High Rise	245518	1.3200e-003	0.0113	4.8100e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.1018	13.1018	2.5000e-004	2.4000e-004	13.1796
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.3200e-003</b>	<b>0.0113</b>	<b>4.8100e-003</b>	<b>7.0000e-005</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>13.1018</b>	<b>13.1018</b>	<b>2.5000e-004</b>	<b>2.4000e-004</b>	<b>13.1796</b>

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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			
Condo/Townhouse High Rise	98388.4	54.7986	1.2900e-003	2.7000e-004	54.9107
Enclosed Parking with Elevator	94117.4	52.4198	1.2400e-003	2.6000e-004	52.5270
<b>Total</b>		<b>107.2183</b>	<b>2.5300e-003</b>	<b>5.3000e-004</b>	<b>107.4377</b>

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse High Rise	98388.4	54.7986	1.2900e-003	2.7000e-004	54.9107
Enclosed Parking with Elevator	94117.4	52.4198	1.2400e-003	2.6000e-004	52.5270
<b>Total</b>		<b>107.2183</b>	<b>2.5300e-003</b>	<b>5.3000e-004</b>	<b>107.4377</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0690	2.6600e-003	0.2289	1.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	0.3714	0.3714	3.7000e-004	0.0000	0.3806
Unmitigated	0.0690	2.6600e-003	0.2289	1.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	0.3714	0.3714	3.7000e-004	0.0000	0.3806

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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	5.0400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0568					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0800e-003	2.6600e-003	0.2289	1.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	0.3714	0.3714	3.7000e-004	0.0000	0.3806
<b>Total</b>	<b>0.0690</b>	<b>2.6600e-003</b>	<b>0.2289</b>	<b>1.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>0.3714</b>	<b>0.3714</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>0.3806</b>

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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	5.0400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0568					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0800e-003	2.6600e-003	0.2289	1.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	0.3714	0.3714	3.7000e-004	0.0000	0.3806
<b>Total</b>	<b>0.0690</b>	<b>2.6600e-003</b>	<b>0.2289</b>	<b>1.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>0.3714</b>	<b>0.3714</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>0.3806</b>

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.4417	0.0471	1.1800e-003	17.9707
Unmitigated	16.4417	0.0471	1.1800e-003	17.9707

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse High Rise	1.43339 / 0.903658	16.4417	0.0471	1.1800e-003	17.9707
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		16.4417	0.0471	1.1800e-003	17.9707

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**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse High Rise	1.43339 / 0.903658	16.4417	0.0471	1.1800e-003	17.9707
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>16.4417</b>	<b>0.0471</b>	<b>1.1800e-003</b>	<b>17.9707</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.0543	0.1214	0.0000	5.0894
Unmitigated	2.0543	0.1214	0.0000	5.0894



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**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse High Rise	10.12	2.0543	0.1214	0.0000	5.0894
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.0543</b>	<b>0.1214</b>	<b>0.0000</b>	<b>5.0894</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse High Rise	10.12	2.0543	0.1214	0.0000	5.0894
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.0543</b>	<b>0.1214</b>	<b>0.0000</b>	<b>5.0894</b>

**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**

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**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**

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611 Gayley - Los Angeles-South Coast County, Summer

**611 Gayley**

**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	31.00	Space	0.00	13,964.00	0
Condo/Townhouse High Rise	22.00	Dwelling Unit	0.21	15,481.00	100

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

611 Gayley - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - According to site plans and maximum occupancy of 100 people.

Construction Phase - Hauling of earth shall be completed within the maximum time limit of 65 hauling days (5,535 cy)

Off-road Equipment - No cranes

Trips and VMT - 450 cy per day of 5535 cy of export = 370 total hauling trips  
Haul to 195 W. Los Angeles, Simi Valley 93065

Grading - 5,535 cubic yards of export

Woodstoves - No woodstoves, no fireplaces

Construction Off-road Equipment Mitigation - SCAQMD Dust Control Rule 403

Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. Project will utilize Tier 3

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	371.00
tblConstructionPhase	NumDays	2.00	65.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	18.70	0.00
tblFireplaces	NumberNoFireplace	2.20	0.00
tblFireplaces	NumberWood	1.10	0.00
tblGrading	AcresOfGrading	0.00	0.20
tblGrading	AcresOfGrading	0.50	0.20
tblGrading	MaterialExported	0.00	5,535.00
tblLandUse	BuildingSpaceSquareFeet	12,400.00	13,964.00
tblLandUse	BuildingSpaceSquareFeet	22,000.00	15,481.00
tblLandUse	LandUseSquareFeet	12,400.00	13,964.00
tblLandUse	LandUseSquareFeet	22,000.00	15,481.00
tblLandUse	LotAcreage	0.28	0.00

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tblLandUse	LotAcreage	0.34	0.21
tblLandUse	Population	63.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripNumber	692.00	370.00
tblWoodstoves	NumberCatalytic	1.10	0.00
tblWoodstoves	NumberNoncatalytic	1.10	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

**2.0 Emissions Summary**

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611 Gayley - Los Angeles-South Coast 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					
2016	1.6290	17.4865	10.0607	0.0288	1.4160	0.8682	2.2842	0.5876	0.8287	1.4163	0.0000	2,982.8850	2,982.8850	0.3413	0.0000	2,991.4185
2017	1.4703	16.1082	9.7689	0.0285	1.6418	0.7689	2.4107	0.6431	0.7333	1.3763	0.0000	2,949.2400	2,949.2400	0.3339	0.0000	2,957.5872
2018	20.4714	8.8198	8.1962	0.0135	0.2779	0.5676	0.8455	0.0744	0.5224	0.5968	0.0000	1,295.8014	1,295.8014	0.3102	0.0000	1,303.5556
Maximum	20.4714	17.4865	10.0607	0.0288	1.6418	0.8682	2.4107	0.6431	0.8287	1.4163	0.0000	2,982.8850	2,982.8850	0.3413	0.0000	2,991.4185

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					
2016	0.5765	12.2049	10.0101	0.0288	0.9489	0.4606	1.4095	0.3341	0.4580	0.7922	0.0000	2,982.8850	2,982.8850	0.3413	0.0000	2,991.4185
2017	0.5256	11.5748	9.7887	0.0285	1.1747	0.4388	1.6136	0.3896	0.4372	0.8268	0.0000	2,949.2400	2,949.2400	0.3339	0.0000	2,957.5872
2018	20.2322	5.4636	7.8749	0.0135	0.2779	0.3400	0.6179	0.0744	0.3396	0.4141	0.0000	1,295.8014	1,295.8014	0.3102	0.0000	1,303.5556
Maximum	20.2322	12.2049	10.0101	0.0288	1.1747	0.4606	1.6136	0.3896	0.4580	0.8268	0.0000	2,982.8850	2,982.8850	0.3413	0.0000	2,991.4185





611 Gayley - Los Angeles-South Coast 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	0.3957	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564
Energy	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Mobile	0.3511	0.6227	4.0107	8.5600e-003	0.6828	8.4900e-003	0.6913	0.1820	7.9400e-003	0.1899		856.6764	856.6764	0.0584		858.1359
Total	0.7541	0.7069	5.8681	9.0600e-003	0.6828	0.0235	0.7063	0.1820	0.0229	0.2049	0.0000	939.0869	939.0869	0.0632	1.4500e-003	941.0981

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	0.6722	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564
Energy	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Mobile	0.3511	0.6227	4.0107	8.5600e-003	0.6828	8.4900e-003	0.6913	0.1820	7.9400e-003	0.1899		856.6764	856.6764	0.0584		858.1359
Total	1.0306	0.7069	5.8681	9.0600e-003	0.6828	0.0235	0.7063	0.1820	0.0229	0.2049	0.0000	939.0869	939.0869	0.0632	1.4500e-003	941.0981

611 Gayley - Los Angeles-South Coast 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	-36.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/16/2016	11/16/2016	6	1	
2	Grading	Grading	11/17/2016	1/31/2017	6	65	
3	Building Construction	Building Construction	2/1/2017	4/9/2018	6	371	
4	Paving	Paving	4/10/2018	4/14/2018	6	5	
5	Architectural Coating	Architectural Coating	4/15/2018	4/20/2018	6	5	

Acres of Grading (Site Preparation Phase): 0.2

Acres of Grading (Grading Phase): 0.2

Acres of Paving: 0

Residential Indoor: 31,349; Residential Outdoor: 10,450; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 838 (Architectural Coating – sqft)

OffRoad Equipment

611 Gayley - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	370.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	22.00	5.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

611 Gayley - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 2016

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					0.2121	0.0000	0.2121	0.0229	0.0000	0.0229			0.0000			0.0000
Off-Road	0.8792	10.9125	4.3857	9.7700e-003		0.4994	0.4994		0.4594	0.4594		1,015.6064	1,015.6064	0.3063		1,023.2650
<b>Total</b>	<b>0.8792</b>	<b>10.9125</b>	<b>4.3857</b>	<b>9.7700e-003</b>	<b>0.2121</b>	<b>0.4994</b>	<b>0.7115</b>	<b>0.0229</b>	<b>0.4594</b>	<b>0.4823</b>		<b>1,015.6064</b>	<b>1,015.6064</b>	<b>0.3063</b>		<b>1,023.2650</b>

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	0.0355	0.0276	0.3505	6.7000e-004	0.0559	5.5000e-004	0.0564	0.0148	5.1000e-004	0.0153		66.1003	66.1003	3.0500e-003		66.1765
<b>Total</b>	<b>0.0355</b>	<b>0.0276</b>	<b>0.3505</b>	<b>6.7000e-004</b>	<b>0.0559</b>	<b>5.5000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>5.1000e-004</b>	<b>0.0153</b>		<b>66.1003</b>	<b>66.1003</b>	<b>3.0500e-003</b>		<b>66.1765</b>

611 Gayley - Los Angeles-South Coast County, Summer

**3.2 Site Preparation - 2016**

**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					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	0.2382	4.8716	5.8579	9.7700e-003		0.2405	0.2405		0.2405	0.2405	0.0000	1,015,606 4	1,015,606 4	0.3063		1,023,265 0
Total	0.2382	4.8716	5.8579	9.7700e-003	0.0827	0.2405	0.3233	8.9300e-003	0.2405	0.2495	0.0000	1,015,606 4	1,015,606 4	0.3063		1,023,265 0

**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	0.0355	0.0276	0.3505	6.7000e-004	0.0559	5.5000e-004	0.0564	0.0148	5.1000e-004	0.0153		66.1003	66.1003	3.0500e-003		66.1765
Total	0.0355	0.0276	0.3505	6.7000e-004	0.0559	5.5000e-004	0.0564	0.0148	5.1000e-004	0.0153		66.1003	66.1003	3.0500e-003		66.1765

611 Gayley - Los Angeles-South Coast County, Summer

**3.3 Grading - 2016**

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					0.7657	0.0000	0.7657	0.4156	0.0000	0.4156			0.0000			0.0000
Off-Road	1.3177	11.2461	7.9887	0.0120		0.8093	0.8093		0.7723	0.7723		1,189.1508	1,189.1508	0.2373		1,195.0828
<b>Total</b>	<b>1.3177</b>	<b>11.2461</b>	<b>7.9887</b>	<b>0.0120</b>	<b>0.7657</b>	<b>0.8093</b>	<b>1.5750</b>	<b>0.4156</b>	<b>0.7723</b>	<b>1.1879</b>		<b>1,189.1508</b>	<b>1,189.1508</b>	<b>0.2373</b>		<b>1,195.0828</b>

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	0.2403	6.1854	1.3710	0.0154	0.5386	0.0578	0.5964	0.1424	0.0553	0.1977		1,661.5336	1,661.5336	0.0980		1,663.9828
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	0.0710	0.0551	0.7011	1.3300e-003	0.1118	1.1000e-003	0.1129	0.0296	1.0100e-003	0.0307		132.2007	132.2007	6.0900e-003		132.3530
<b>Total</b>	<b>0.3113</b>	<b>6.2405</b>	<b>2.0720</b>	<b>0.0168</b>	<b>0.6503</b>	<b>0.0589</b>	<b>0.7092</b>	<b>0.1721</b>	<b>0.0563</b>	<b>0.2284</b>		<b>1,793.7342</b>	<b>1,793.7342</b>	<b>0.1041</b>		<b>1,796.3367</b>

611 Gayley - Los Angeles-South Coast County, Summer

3.3 Grading - 2016

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					0.2986	0.0000	0.2986	0.1621	0.0000	0.1621			0.0000			0.0000
Off-Road	0.2652	5.9644	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,189.1508	1,189.1508	0.2373		1,195.0828
Total	0.2652	5.9644	7.9381	0.0120	0.2986	0.4017	0.7003	0.1621	0.4017	0.5638	0.0000	1,189.1508	1,189.1508	0.2373		1,195.0828

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	0.2403	6.1854	1.3710	0.0154	0.5386	0.0578	0.5964	0.1424	0.0553	0.1977		1,661.5336	1,661.5336	0.0980		1,663.9828
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	0.0710	0.0551	0.7011	1.3300e-003	0.1118	1.1000e-003	0.1129	0.0296	1.0100e-003	0.0307		132.2007	132.2007	6.0900e-003		132.3530
Total	0.3113	6.2405	2.0720	0.0168	0.6503	0.0589	0.7092	0.1721	0.0563	0.2284		1,793.7342	1,793.7342	0.1041		1,796.3357

611 Gayley - Los Angeles-South Coast County, Summer

3.3 Grading - 2017

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					0.7657	0.0000	0.7657	0.4156	0.0000	0.4156			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120	0.7657	0.7318	1.4974	0.4156	0.6978	1.1133		1,179.3075	1,179.3075	0.2319		1,185.1047

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	0.1978	5.5625	1.2351	0.0152	0.7643	0.0361	0.8004	0.1978	0.0345	0.2324		1,641.0407	1,641.0407	0.0967		1,643.4569
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	0.0625	0.0480	0.6156	1.3000e-003	0.1118	1.0400e-003	0.1128	0.0296	9.6000e-004	0.0306		128.8918	128.8918	5.3500e-003		129.0255
Total	0.2604	5.6104	1.8507	0.0165	0.8761	0.0371	0.9133	0.2276	0.0355	0.2630		1,769.9325	1,769.9325	0.1020		1,772.4825



611 Gayley - Los Angeles-South Coast County, Summer

3.3 Grading - 2017

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					0.2986	0.0000	0.2986	0.1621	0.0000	0.1621			0.0000			0.0000
Off-Road	0.2652	5.9644	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	0.2652	5.9644	7.9381	0.0120	0.2986	0.4017	0.7003	0.1621	0.4017	0.5638	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047

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	0.1978	5.5625	1.2351	0.0152	0.7643	0.0361	0.8004	0.1978	0.0345	0.2324		1,641.0407	1,641.0407	0.0967		1,643.4569
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	0.0625	0.0480	0.6156	1.3000e-003	0.1118	1.0400e-003	0.1128	0.0296	9.6000e-004	0.0306		128.8918	128.8918	5.3500e-003		129.0255
Total	0.2604	5.6104	1.8507	0.0165	0.8761	0.0371	0.9133	0.2275	0.0365	0.2630		1,769.9325	1,769.9325	0.1020		1,772.4825

611 Gayley - Los Angeles-South Coast County, Summer

**3.4 Building Construction - 2017**

**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	0.9500	8.8273	6.5613	8.5100e-003		0.6839	0.6839		0.6292	0.6292		870.9120	870.9120	0.2669		877.5832
<b>Total</b>	<b>0.9500</b>	<b>8.8273</b>	<b>6.5613</b>	<b>8.5100e-003</b>		<b>0.6839</b>	<b>0.6839</b>		<b>0.6292</b>	<b>0.6292</b>		<b>870.9120</b>	<b>870.9120</b>	<b>0.2669</b>		<b>877.5832</b>

**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	0.0261	0.6519	0.1855	1.3300e-003	0.0320	5.4600e-003	0.0375	9.2200e-003	5.2200e-003	0.0144		141.2965	141.2965	9.7700e-003		141.5407
Worker	0.1376	0.1055	1.3543	2.8500e-003	0.2459	2.2900e-003	0.2482	0.0652	2.1100e-003	0.0673		283.5619	283.5619	0.0118		283.8562
<b>Total</b>	<b>0.1637</b>	<b>0.7574</b>	<b>1.5398</b>	<b>4.1800e-003</b>	<b>0.2779</b>	<b>7.7500e-003</b>	<b>0.2857</b>	<b>0.0744</b>	<b>7.3300e-003</b>	<b>0.0818</b>		<b>424.8583</b>	<b>424.8583</b>	<b>0.0215</b>		<b>425.3969</b>

611 Gayley - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2017

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	0.2084	4.7591	6.4265	8.5100e-003		0.3335	0.3335		0.3335	0.3335	0.0000	870.9120	870.9120	0.2669		877.5832
Total	0.2084	4.7591	6.4265	8.5100e-003		0.3335	0.3335		0.3335	0.3335	0.0000	870.9120	870.9120	0.2669		877.5832

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	0.0261	0.6519	0.1855	1.3300e-003	0.0320	5.4600e-003	0.0375	9.2200e-003	5.2200e-003	0.0144		141.2965	141.2965	9.7700e-003		141.5407
Worker	0.1376	0.1055	1.3543	2.8500e-003	0.2459	2.2900e-003	0.2482	0.0652	2.1100e-003	0.0673		283.5619	283.5619	0.0118		283.8562
Total	0.1637	0.7574	1.5398	4.1800e-003	0.2779	7.7500e-003	0.2857	0.0744	7.3300e-003	0.0818		424.8583	424.8583	0.0215		425.3969

611 Gayley - Los Angeles-South Coast County, Summer

**3.4 Building Construction - 2018**

**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	0.7994	7.6212	6.4903	8.5000e-003		0.5611	0.5611		0.5162	0.5162		856.2333	856.2333	0.2866		862.8972
<b>Total</b>	<b>0.7994</b>	<b>7.6212</b>	<b>6.4903</b>	<b>8.5000e-003</b>		<b>0.5611</b>	<b>0.5611</b>		<b>0.5162</b>	<b>0.5162</b>		<b>856.2333</b>	<b>856.2333</b>	<b>0.2666</b>		<b>862.8972</b>

**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	0.0230	0.6128	0.1676	1.3200e-003	0.0320	4.3200e-003	0.0363	9.2200e-003	4.1300e-003	0.0134		140.8397	140.8397	9.2700e-003		141.0716
Worker	0.1215	0.0917	1.1882	2.7700e-003	0.2459	2.1900e-003	0.2481	0.0652	2.0200e-003	0.0672		275.8118	275.8118	0.0103		276.0704
<b>Total</b>	<b>0.1445</b>	<b>0.7045</b>	<b>1.3557</b>	<b>4.0900e-003</b>	<b>0.2779</b>	<b>6.5100e-003</b>	<b>0.2844</b>	<b>0.0744</b>	<b>6.1500e-003</b>	<b>0.0806</b>		<b>416.6515</b>	<b>416.6515</b>	<b>0.0196</b>		<b>417.1419</b>

611 Gayley - Los Angeles-South Coast County, Summer

**3.4 Building Construction - 2018**

**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	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	856.2333	856.2333	0.2666		862.8972
Total	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	856.2333	856.2333	0.2666		862.8972

**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	0.0230	0.6128	0.1676	1.3200e-003	0.0320	4.3200e-003	0.0363	9.2200e-003	4.1300e-003	0.0134		140.8397	140.8397	9.2700e-003		141.0716
Worker	0.1215	0.0917	1.1882	2.7700e-003	0.2459	2.1900e-003	0.2481	0.0652	2.0200e-003	0.0672		275.8118	275.8118	0.0103		276.0704
Total	0.1445	0.7045	1.3557	4.0900e-003	0.2779	6.6100e-003	0.2844	0.0744	6.1500e-003	0.0806		416.6515	416.6515	0.0196		417.1419

611 Gayley - Los Angeles-South Coast County, Summer

**3.5 Paving - 2018**

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	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798

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	0.0995	0.0751	0.9721	2.2700e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		225.6642	225.6642	8.4600e-003		225.8758
Total	0.0995	0.0751	0.9721	2.2700e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		225.6642	225.6642	8.4600e-003		225.8758

611 Gayley - Los Angeles-South Coast County, Summer

**3.5 Paving - 2018**

**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	0.2239	4.7579	6.9028	0.0113		0.2908	0.2908		0.2908	0.2908	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2239</b>	<b>4.7579</b>	<b>6.9028</b>	<b>0.0113</b>		<b>0.2908</b>	<b>0.2908</b>		<b>0.2908</b>	<b>0.2908</b>	<b>0.0000</b>	<b>1,070.1372</b>	<b>1,070.1372</b>	<b>0.3017</b>		<b>1,077.6798</b>

**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	0.0995	0.0751	0.9721	2.2700e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		225.6642	225.6642	8.4600e-003		225.8758
<b>Total</b>	<b>0.0995</b>	<b>0.0751</b>	<b>0.9721</b>	<b>2.2700e-003</b>	<b>0.2012</b>	<b>1.7900e-003</b>	<b>0.2030</b>	<b>0.0534</b>	<b>1.6500e-003</b>	<b>0.0550</b>		<b>225.6642</b>	<b>225.6642</b>	<b>8.4600e-003</b>		<b>225.8758</b>

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**3.6 Architectural Coating - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>20.4493</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

**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	0.0221	0.0167	0.2160	5.0000e-004	0.0447	4.0000e-004	0.0451	0.0119	3.7000e-004	0.0122		50.1476	50.1476	1.8800e-003		50.1946
<b>Total</b>	<b>0.0221</b>	<b>0.0167</b>	<b>0.2160</b>	<b>5.0000e-004</b>	<b>0.0447</b>	<b>4.0000e-004</b>	<b>0.0451</b>	<b>0.0119</b>	<b>3.7000e-004</b>	<b>0.0122</b>		<b>50.1476</b>	<b>50.1476</b>	<b>1.8800e-003</b>		<b>50.1946</b>



611 Gayley - Los Angeles-South Coast County, Summer

**3.6 Architectural Coating - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>20.2101</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

**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	0.0221	0.0167	0.2160	5.0000e-004	0.0447	4.0000e-004	0.0451	0.0119	3.7000e-004	0.0122		50.1476	50.1476	1.8800e-003		50.1946
<b>Total</b>	<b>0.0221</b>	<b>0.0167</b>	<b>0.2160</b>	<b>5.0000e-004</b>	<b>0.0447</b>	<b>4.0000e-004</b>	<b>0.0451</b>	<b>0.0119</b>	<b>3.7000e-004</b>	<b>0.0122</b>		<b>50.1476</b>	<b>50.1476</b>	<b>1.8800e-003</b>		<b>50.1946</b>

**4.0 Operational Detail - Mobile**

611 Gayley - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3511	0.6227	4.0107	8.5600e-003	0.6828	8.4900e-003	0.6913	0.1820	7.9400e-003	0.1899		856.6764	856.6764	0.0584		858.1359
Unmitigated	0.3511	0.6227	4.0107	8.5600e-003	0.6828	8.4900e-003	0.6913	0.1820	7.9400e-003	0.1899		856.6764	856.6764	0.0584		858.1359

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	91.96	94.82	75.46	307,583	307,583
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	91.96	94.82	75.46	307,583	307,583

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
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

611 Gayley - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.556701	0.048171	0.192127	0.129262	0.018516	0.005337	0.012007	0.007260	0.001322	0.000777	0.024059	0.000608	0.003854
Condo/Townhouse High Rise	0.556701	0.048171	0.192127	0.129262	0.018516	0.005337	0.012007	0.007260	0.001322	0.000777	0.024059	0.000608	0.003854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.2500e-003	0.0620	0.0264	4.0000e-004	5.0100e-003	5.0100e-003	5.0100e-003	5.0100e-003	5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
NaturalGas Unmitigated	7.2500e-003	0.0620	0.0264	4.0000e-004	5.0100e-003	5.0100e-003	5.0100e-003	5.0100e-003	5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058

611 Gayley - Los Angeles-South Coast 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					
Condo/Townhouse High Rise	672.652	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.2500e-003</b>	<b>0.0620</b>	<b>0.0264</b>	<b>4.0000e-004</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>79.1355</b>	<b>79.1355</b>	<b>1.5200e-003</b>	<b>1.4500e-003</b>	<b>79.6058</b>

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					
Condo/Townhouse High Rise	0.672652	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.2500e-003</b>	<b>0.0620</b>	<b>0.0264</b>	<b>4.0000e-004</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>79.1355</b>	<b>79.1355</b>	<b>1.5200e-003</b>	<b>1.4500e-003</b>	<b>79.6058</b>

6.0 Area Detail

6.1 Mitigation Measures Area

611 Gayley - Los Angeles-South Coast County, Summer

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	0.6722	0.0213	1.8311	1.0000e-004	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564
Unmitigated	0.3957	0.0213	1.8311	1.0000e-004	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564

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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	0.0276					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0567	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003		3.2749	3.2749	3.2600e-003		3.3564
<b>Total</b>	<b>0.3957</b>	<b>0.0213</b>	<b>1.8311</b>	<b>1.0000e-004</b>		<b>9.9900e-003</b>	<b>9.9900e-003</b>		<b>9.9900e-003</b>	<b>9.9900e-003</b>	<b>0.0000</b>	<b>3.2749</b>	<b>3.2749</b>	<b>3.2600e-003</b>	<b>0.0000</b>	<b>3.3564</b>

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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	lb/day										lb/day					
Architectural Coating	0.0276					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5880					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0300	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0567	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003			3.2749	3.2749	3.2600e-003	3.3564
Total	0.6722	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003	0.0000		3.2749	3.2749	3.2600e-003	3.3564

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

611 Gayley - Los Angeles-South Coast 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
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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611 Gayley - Los Angeles-South Coast County, Winter

**611 Gayley**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	31.00	Space	0.00	13,964.00	0
Condo/Townhouse High Rise	22.00	Dwelling Unit	0.21	15,481.00	100

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

611 Gayley - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - According to site plans and maximum occupancy of 100 people.

Construction Phase - Hauling of earth shall be completed within the maximum time limit of 65 hauling days (5,535 cy)

Off-road Equipment - No cranes

Trips and VMT - 450 cy per day of 5535 cy of export = 370 total hauling trips  
Haul to 195 W. Los Angeles, Simi Valley 93065

Grading - 5,535 cubic yards of export

Woodstoves - No woodstoves, no fireplaces

Construction Off-road Equipment Mitigation - SCAQMD Dust Control Rule 403

Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. Project will utilize Tier 3

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	371.00
tblConstructionPhase	NumDays	2.00	65.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	18.70	0.00
tblFireplaces	NumberNoFireplace	2.20	0.00
tblFireplaces	NumberWood	1.10	0.00
tblGrading	AcresOfGrading	0.00	0.20
tblGrading	AcresOfGrading	0.50	0.20
tblGrading	MaterialExported	0.00	5,535.00
tblLandUse	BuildingSpaceSquareFeet	12,400.00	13,964.00
tblLandUse	BuildingSpaceSquareFeet	22,000.00	15,481.00
tblLandUse	LandUseSquareFeet	12,400.00	13,964.00
tblLandUse	LandUseSquareFeet	22,000.00	15,481.00
tblLandUse	LotAcreage	0.28	0.00

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tblLandUse	LotAcreage	0.34	0.21
tblLandUse	Population	63.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripLength	20.00	72.00
tblTripsAndVMT	HaulingTripNumber	692.00	370.00
tblWoodstoves	NumberCatalytic	1.10	0.00
tblWoodstoves	NumberNoncatalytic	1.10	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

**2.0 Emissions Summary**

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611 Gayley - Los Angeles-South Coast 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					
2016	1.6382	17.6844	10.0378	0.0286	1.4160	0.8684	2.2844	0.5876	0.8289	1.4165	0.0000	2,967,440 3	2,967,440 3	0.3424	0.0000	2,976,001 3
2017	1.4785	16.2822	9.7465	0.0284	1.6418	0.7691	2.4108	0.6431	0.7334	1.3765	0.0000	2,933,595 4	2,933,595 4	0.3350	0.0000	2,941,969 5
2018	20.4738	8.8278	8.1191	0.0134	0.2779	0.5677	0.8456	0.0744	0.5224	0.5968	0.0000	1,282,640 9	1,282,640 9	0.3097	0.0000	1,290,383 4
Maximum	20.4738	17.6844	10.0378	0.0286	1.6418	0.8684	2.4108	0.6431	0.8289	1.4165	0.0000	2,967,440 3	2,967,440 3	0.3424	0.0000	2,976,001 3

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					
2016	0.5857	12.4027	9.9872	0.0286	0.9489	0.4608	1.4097	0.3341	0.4582	0.7924	0.0000	2,967,440 3	2,967,440 3	0.3424	0.0000	2,976,001 3
2017	0.5337	11.7488	9.7663	0.0284	1.1747	0.4390	1.6137	0.3896	0.4374	0.8269	0.0000	2,933,595 4	2,933,595 4	0.3350	0.0000	2,941,969 5
2018	20.2346	5.4748	7.7979	0.0134	0.2779	0.3401	0.6180	0.0744	0.3397	0.4141	0.0000	1,282,640 9	1,282,640 9	0.3097	0.0000	1,290,383 4
Maximum	20.2346	12.4027	9.9872	0.0286	1.1747	0.4608	1.6137	0.3896	0.4582	0.8269	0.0000	2,967,440 3	2,967,440 3	0.3424	0.0000	2,976,001 3



611 Gayley - Los Angeles-South Coast 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	0.3957	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564
Energy	7.2500e-003	0.0320	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Mobile	0.3462	0.6598	3.8785	8.1200e-003	0.6828	8.5100e-003	0.6913	0.1820	7.9700e-003	0.1900		812.5191	812.5191	0.0581		813.9714
<b>Total</b>	<b>0.7492</b>	<b>0.7430</b>	<b>5.7360</b>	<b>8.6200e-003</b>	<b>0.6828</b>	<b>0.0236</b>	<b>0.7063</b>	<b>0.1820</b>	<b>0.0230</b>	<b>0.2050</b>	<b>0.0000</b>	<b>894.9296</b>	<b>894.9296</b>	<b>0.0629</b>	<b>1.4500e-003</b>	<b>896.9336</b>

**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	0.6722	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564
Energy	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Mobile	0.3462	0.6598	3.8785	8.1200e-003	0.6828	8.5100e-003	0.6913	0.1820	7.9700e-003	0.1900		812.5191	812.5191	0.0581		813.9714
<b>Total</b>	<b>1.0267</b>	<b>0.7430</b>	<b>5.7360</b>	<b>8.6200e-003</b>	<b>0.6828</b>	<b>0.0236</b>	<b>0.7063</b>	<b>0.1820</b>	<b>0.0230</b>	<b>0.2050</b>	<b>0.0000</b>	<b>894.9296</b>	<b>894.9296</b>	<b>0.0629</b>	<b>1.4500e-003</b>	<b>896.9336</b>

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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	-36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/16/2016	11/16/2016	6	1	
2	Grading	Grading	11/17/2016	1/31/2017	6	65	
3	Building Construction	Building Construction	2/1/2017	4/9/2018	6	371	
4	Paving	Paving	4/10/2018	4/14/2018	6	5	
5	Architectural Coating	Architectural Coating	4/15/2018	4/20/2018	6	5	

Acres of Grading (Site Preparation Phase): 0.2

Acres of Grading (Grading Phase): 0.2

Acres of Paving: 0

Residential Indoor: 31,349; Residential Outdoor: 10,450; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 838 (Architectural Coating – sqft)

OffRoad Equipment



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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	370.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	22.00	5.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	72.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**3.2 Site Preparation - 2016**

**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					0.2121	0.0000	0.2121	0.0229	0.0000	0.0229			0.0000			0.0000
Off-Road	0.8792	10.9125	4.3857	9.7700e-003		0.4994	0.4994		0.4594	0.4594		1,015.6064	1,015.6064	0.3063		1,023.2650
<b>Total</b>	<b>0.8792</b>	<b>10.9125</b>	<b>4.3857</b>	<b>9.7700e-003</b>	<b>0.2121</b>	<b>0.4994</b>	<b>0.7116</b>	<b>0.0229</b>	<b>0.4594</b>	<b>0.4823</b>		<b>1,015.6064</b>	<b>1,015.6064</b>	<b>0.3063</b>		<b>1,023.2650</b>

**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	0.0393	0.0305	0.3260	6.3000e-004	0.0559	5.5000e-004	0.0564	0.0148	5.1000e-004	0.0153		62.2649	62.2649	2.9000e-003		62.3373
<b>Total</b>	<b>0.0393</b>	<b>0.0305</b>	<b>0.3260</b>	<b>6.3000e-004</b>	<b>0.0559</b>	<b>5.5000e-004</b>	<b>0.0564</b>	<b>0.0148</b>	<b>5.1000e-004</b>	<b>0.0153</b>		<b>62.2649</b>	<b>62.2649</b>	<b>2.9000e-003</b>		<b>62.3373</b>

611 Gayley - Los Angeles-South Coast County, Winter

**3.2 Site Preparation - 2016**

**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					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	0.2382	4.8716	5.8579	9.7700e-003		0.2405	0.2405		0.2405	0.2405	0.0000	1,015.6064	1,015.6064	0.3063		1,023.2650
Total	0.2382	4.8716	5.8579	9.7700e-003	0.0827	0.2405	0.3233	8.9300e-003	0.2405	0.2496	0.0000	1,015.6064	1,015.6064	0.3063		1,023.2650

**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	0.0393	0.0305	0.3260	6.3000e-004	0.0559	5.5000e-004	0.0564	0.0148	5.1000e-004	0.0153		62.2649	62.2649	2.9000e-003		62.3373
Total	0.0393	0.0305	0.3260	6.3000e-004	0.0559	5.5000e-004	0.0564	0.0148	5.1000e-004	0.0153		62.2649	62.2649	2.9000e-003		62.3373

611 Gayley - Los Angeles-South Coast County, Winter

**3.3 Grading - 2016**

**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					0.7657	0.0000	0.7657	0.4156	0.0000	0.4156			0.0000			0.0000
Off-Road	1.3177	11.2461	7.9887	0.0120		0.8093	0.8093		0.7723	0.7723		1,189.1508	1,189.1508	0.2373		1,195.0828
Total	1.3177	11.2461	7.9887	0.0120	0.7667	0.8093	1.5760	0.4156	0.7723	1.1879		1,189.1508	1,189.1508	0.2373		1,195.0828

**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	0.2420	6.3773	1.3971	0.0154	0.5386	0.0580	0.5966	0.1424	0.0555	0.1979		1,653.7598	1,653.7598	0.0994		1,656.2440
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	0.0786	0.0610	0.6520	1.2500e-003	0.1116	1.1000e-003	0.1129	0.0296	1.0100e-003	0.0307		124.5297	124.5297	5.7900e-003		124.6745
Total	0.3206	6.4383	2.0492	0.0166	0.6503	0.0591	0.7094	0.1721	0.0565	0.2286		1,778.2895	1,778.2895	0.1052		1,780.9185

611 Gayley - Los Angeles-South Coast County, Winter

3.3 Grading - 2016

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					0.2986	0.0000	0.2986	0.1621	0.0000	0.1621			0.0000			0.0000
Off-Road	0.2652	5.9644	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,189.1508	1,189.1508	0.2373		1,196.0828
Total	0.2652	6.9644	7.9381	0.0120	0.2986	0.4017	0.7003	0.1621	0.4017	0.5638	0.0000	1,189.1508	1,189.1508	0.2373		1,196.0828

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	0.2420	6.3773	1.3971	0.0154	0.5386	0.0580	0.5966	0.1424	0.0555	0.1979		1,653.7598	1,653.7598	0.0994		1,656.2440
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	0.0786	0.0810	0.6520	1.2500e-003	0.1118	1.1000e-003	0.1129	0.0296	1.0100e-003	0.0307		124.5297	124.5297	5.7900e-003		124.6745
Total	0.3206	6.4383	2.0492	0.0166	0.6503	0.0591	0.7094	0.1721	0.0565	0.2286		1,778.2895	1,778.2895	0.1062		1,780.9185

611 Gayley - Los Angeles-South Coast County, Winter

3.3 Grading - 2017

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					0.7657	0.0000	0.7657	0.4156	0.0000	0.4156			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120	0.7657	0.7318	1.4974	0.4156	0.6978	1.1133		1,179.3075	1,179.3075	0.2319		1,185.1047

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	0.1993	5.7313	1.2583	0.0151	0.7643	0.0363	0.8006	0.1978	0.0347	0.2325		1,632.8966	1,632.8966	0.0960		1,635.3467
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	0.0692	0.0531	0.5699	1.2200e-003	0.1118	1.0400e-003	0.1128	0.0296	9.6000e-004	0.0306		121.3913	121.3913	5.0700e-003		121.5181
Total	0.2685	5.7844	1.8283	0.0164	0.8761	0.0373	0.9134	0.2275	0.0367	0.2631		1,754.2879	1,754.2879	0.1031		1,756.8648

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**3.3 Grading - 2017**

**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					0.2986	0.0000	0.2986	0.1621	0.0000	0.1621			0.0000			0.0000
Off-Road	0.2652	5.9644	7.9381	0.0120		0.4017	0.4017		0.4017	0.4017	0.0000	1,179,307.5	1,179,307.5	0.2319		1,185,104.7
<b>Total</b>	<b>0.2652</b>	<b>5.9644</b>	<b>7.9381</b>	<b>0.0120</b>	<b>0.2986</b>	<b>0.4017</b>	<b>0.7003</b>	<b>0.1621</b>	<b>0.4017</b>	<b>0.5638</b>	<b>0.0000</b>	<b>1,179,307.5</b>	<b>1,179,307.5</b>	<b>0.2319</b>		<b>1,185,104.7</b>

**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	0.1993	5.7313	1.2583	0.0151	0.7643	0.0363	0.8006	0.1978	0.0347	0.2325		1,632,896.8	1,632,896.8	0.0980		1,635,346.7
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	0.0692	0.0331	0.5699	1.2200e-003	0.1118	1.0400e-003	0.1128	0.0296	9.6000e-004	0.0306		121.3913	121.3913	5.0700e-003		121.5181
<b>Total</b>	<b>0.2686</b>	<b>5.7344</b>	<b>1.8283</b>	<b>0.0164</b>	<b>0.8761</b>	<b>0.0373</b>	<b>0.9134</b>	<b>0.2275</b>	<b>0.0357</b>	<b>0.2631</b>		<b>1,754,287.9</b>	<b>1,754,287.9</b>	<b>0.1031</b>		<b>1,756,864.8</b>

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**3.4 Building Construction - 2017**

**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	0.9500	8.8273	6.6613	8.5100e-003		0.6839	0.6839		0.6292	0.6292		870.9120	870.9120	0.2669		877.5832
Total	0.9500	8.8273	6.6613	8.5100e-003		0.6839	0.6839		0.6292	0.6292		870.9120	870.9120	0.2669		877.5832

**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	0.0272	0.6542	0.2033	1.2900e-003	0.0320	5.5400e-003	0.0376	9.2200e-003	5.3000e-003	0.0145		137.6192	137.6192	0.0104		137.8796
Worker	0.1521	0.1169	1.2538	2.6900e-003	0.2459	2.2900e-003	0.2482	0.0652	2.1100e-003	0.0673		267.0608	267.0608	0.0112		267.3396
Total	0.1793	0.7711	1.4571	3.9800e-003	0.2779	7.8300e-003	0.2858	0.0744	7.4100e-003	0.0819		404.6800	404.6800	0.0216		405.2194



611 Gayley - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2017

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	0.2084	4.7591	6.4265	8.5100e-003		0.3335	0.3335		0.3335	0.3335	0.0000	870.9120	870.9120	0.2669		877.5832
Total	0.2084	4.7591	6.4265	8.5100e-003		0.3335	0.3335		0.3335	0.3335	0.0000	870.9120	870.9120	0.2669		877.5832

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	0.0272	0.6842	0.2033	1.2900e-003	0.0320	5.5400e-003	0.0376	9.2200e-003	5.3000e-003	0.0145		137.6192	137.6192	0.0104		137.8796
Worker	0.1521	0.1169	1.2538	2.6900e-003	0.2459	2.2900e-003	0.2482	0.0652	2.1100e-003	0.0673		267.0608	267.0608	0.0112		267.3398
Total	0.1793	0.7711	1.4571	3.9800e-003	0.2779	7.8300e-003	0.2858	0.0744	7.4100e-003	0.0819		404.6800	404.6800	0.0216		405.2194

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**3.4 Building Construction - 2018**

**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	0.7994	7.6212	6.4903	8.5000e-003		0.5611	0.5611		0.5162	0.5162		856.2333	856.2333	0.2666		862.8972
Total	0.7994	7.6212	6.4903	8.5000e-003		0.5611	0.5611		0.5162	0.5162		856.2333	856.2333	0.2666		862.8972

**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	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749	137.0749	9.8900e-003		137.3222
Worker	0.1345	0.1016	1.0940	2.6100e-003	0.2459	2.1900e-003	0.2481	0.0652	2.0200e-003	0.0672		259.7267	259.7267	9.7700e-003		259.9711
Total	0.1585	0.7158	1.2782	3.9000e-003	0.2779	6.5800e-003	0.2845	0.0744	6.2200e-003	0.0807		396.8016	396.8016	0.0197		397.2933

611 Gayley - Los Angeles-South Coast County, Winter

**3.4 Building Construction - 2018**

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	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	856.2333	856.2333	0.2666		862.8972
Total	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	856.2333	856.2333	0.2666		862.8972

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	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749	137.0749	9.8900e-003		137.3222
Worker	0.1345	0.1016	1.0940	2.6100e-003	0.2459	2.1900e-003	0.2481	0.0652	2.0200e-003	0.0672		259.7267	259.7267	9.7700e-003		259.9711
Total	0.1585	0.7158	1.2782	3.9000e-003	0.2779	6.5800e-003	0.2845	0.0744	6.2200e-003	0.0807		396.8016	396.8016	0.0197		397.2933

611 Gayley - Los Angeles-South Coast County, Winter

3.5 Paving - 2018

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	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.137 2	1,070.137 2	0.3017		1,077.679 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.137 2	1,070.137 2	0.3017		1,077.679 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1101	0.0831	0.8951	2.1400e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		212.5037	212.5037	8.0000e-003		212.7036
Total	0.1101	0.0831	0.8951	2.1400e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		212.5037	212.5037	8.0000e-003		212.7036

611 Gayley - Los Angeles-South Coast County, Winter

3.5 Paving - 2018

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	0.2239	4.7579	6.9028	0.0113		0.2908	0.2908		0.2908	0.2908	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2239	4.7579	6.9028	0.0113		0.2908	0.2908		0.2908	0.2908	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798

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	0.1101	0.0331	0.8951	2.1400e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		212.5037	212.5037	8.0000e-003		212.7036
Total	0.1101	0.0331	0.8951	2.1400e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		212.5037	212.5037	8.0000e-003		212.7036

611 Gayley - Los Angeles-South Coast County, Winter

**3.6 Architectural Coating - 2018**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>20.4493</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

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	0.0245	0.0185	0.1989	4.7000e-004	0.0447	4.0000e-004	0.0451	0.0119	3.7000e-004	0.0122		47.2230	47.2230	1.7800e-003		47.2675
<b>Total</b>	<b>0.0245</b>	<b>0.0185</b>	<b>0.1989</b>	<b>4.7000e-004</b>	<b>0.0447</b>	<b>4.0000e-004</b>	<b>0.0451</b>	<b>0.0119</b>	<b>3.7000e-004</b>	<b>0.0122</b>		<b>47.2230</b>	<b>47.2230</b>	<b>1.7800e-003</b>		<b>47.2675</b>

611 Gayley - Los Angeles-South Coast County, Winter

**3.6 Architectural Coating - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.1507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.1171
<b>Total</b>	<b>20.2101</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

**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	0.0245	0.0185	0.1989	4.7000e-004	0.0447	4.0000e-004	0.0451	0.0119	3.7000e-004	0.0122		47.2230	47.2230	1.7800e-003		47.2675
<b>Total</b>	<b>0.0245</b>	<b>0.0185</b>	<b>0.1989</b>	<b>4.7000e-004</b>	<b>0.0447</b>	<b>4.0000e-004</b>	<b>0.0451</b>	<b>0.0119</b>	<b>3.7000e-004</b>	<b>0.0122</b>		<b>47.2230</b>	<b>47.2230</b>	<b>1.7800e-003</b>		<b>47.2675</b>

**4.0 Operational Detail - Mobile**

611 Gayley - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3462	0.6598	3.8785	8.1200e-003	0.6828	8.5100e-003	0.6913	0.1820	7.9700e-003	0.1900		812.5191	812.5191	0.0581		813.9714
Unmitigated	0.3462	0.6598	3.8785	8.1200e-003	0.6828	8.5100e-003	0.6913	0.1820	7.9700e-003	0.1900		812.5191	812.5191	0.0581		813.9714

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	91.96	94.82	75.46	307,583	307,583
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	91.96	94.82	75.46	307,583	307,583

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
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix



611 Gayley - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.556701	0.048171	0.192127	0.129262	0.018516	0.005337	0.012007	0.007260	0.001322	0.000777	0.024059	0.000608	0.003854
Condo/Townhouse High Rise	0.556701	0.048171	0.192127	0.129262	0.018516	0.005337	0.012007	0.007260	0.001322	0.000777	0.024059	0.000608	0.003854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Natural Gas Unmitigated	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058

611 Gayley - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	RCG	NOx	CO	SO2	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					
Condo/Townhouse High Rise	672.652	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.2500e-003</b>	<b>0.0620</b>	<b>0.0264</b>	<b>4.0000e-004</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>79.1355</b>	<b>79.1355</b>	<b>1.5200e-003</b>	<b>1.4500e-003</b>	<b>79.6058</b>

Mitigated

	NaturalGas Use	RCG	NOx	CO	SO2	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					
Condo/Townhouse High Rise	0.672652	7.2500e-003	0.0620	0.0264	4.0000e-004		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003		79.1355	79.1355	1.5200e-003	1.4500e-003	79.6058
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.2500e-003</b>	<b>0.0620</b>	<b>0.0264</b>	<b>4.0000e-004</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>79.1355</b>	<b>79.1355</b>	<b>1.5200e-003</b>	<b>1.4500e-003</b>	<b>79.6058</b>

6.0 Area Detail

6.1 Mitigation Measures Area

611 Gayley - Los Angeles-South Coast County, Winter

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	0.6722	0.0213	1.8311	1.0000e-004	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564
Unmitigated	0.3957	0.0213	1.8311	1.0000e-004	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	9.9900e-003	0.0000	3.2749	3.2749	3.2600e-003	0.0000	3.3564

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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	0.0276					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0300	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0567	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003		3.2749	3.2749	3.2600e-003		3.3564
<b>Total</b>	<b>0.3957</b>	<b>0.0213</b>	<b>1.8311</b>	<b>1.0000e-004</b>		<b>9.9900e-003</b>	<b>9.9900e-003</b>		<b>9.9900e-003</b>	<b>9.9900e-003</b>	<b>0.0000</b>	<b>3.2749</b>	<b>3.2749</b>	<b>3.2600e-003</b>	<b>0.0000</b>	<b>3.3564</b>

611 Gayley - Los Angeles-South Coast 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	0.0276					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5880					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0567	0.0213	1.8311	1.0000e-004		9.9900e-003	9.9900e-003		9.9900e-003	9.9900e-003			3.2749	3.2749	3.2600e-003	3.3564
<b>Total</b>	<b>0.6722</b>	<b>0.0213</b>	<b>1.8311</b>	<b>1.0000e-004</b>		<b>9.9900e-003</b>	<b>9.9900e-003</b>		<b>9.9900e-003</b>	<b>9.9900e-003</b>	<b>0.0000</b>	<b>3.2749</b>	<b>3.2749</b>	<b>3.2600e-003</b>	<b>0.0000</b>	<b>3.3564</b>

7.0 Water Detail

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7.1 Mitigation Measures Water

8.0 Waste Detail

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8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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611 Gayley - Los Angeles-South Coast 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**

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