

APPENDIX B

Air Quality Study

Existing Annual

Mission Bell Mixed-Use (Existing) - South Coast Air Basin, Annual

Mission Bell Mixed-Use (Existing)
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	7.70	1000sqft	0.18	7,704.00	0
High Turnover (Sit Down Restaurant)	1.78	1000sqft	0.04	1,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Existing operation only

Off-road Equipment - Existing operation only

Vehicle Trips - Based on trips rates from the 2017 Traffic Study.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	3/11/2019	2/25/2019
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	ST_TR	158.37	150.78
tblVehicleTrips	ST_TR	42.04	39.90
tblVehicleTrips	SU_TR	131.84	125.53
tblVehicleTrips	SU_TR	20.43	19.39
tblVehicleTrips	WD_TR	127.15	121.06
tblVehicleTrips	WD_TR	44.32	42.06

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	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					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	0.0387	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
Energy	2.2800e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	80.6598	80.6598	2.8300e-003	9.1000e-004	81.0017
Mobile	0.1495	0.6952	1.5622	4.4200e-003	0.3302	5.2400e-003	0.3354	0.0885	4.9200e-003	0.0934	0.0000	407.5234	407.5234	0.0246	0.0000	408.1380
Waste						0.0000	0.0000		0.0000	0.0000	5.9416	0.0000	5.9416	0.3511	0.0000	14.7199
Water						0.0000	0.0000		0.0000	0.0000	0.3524	5.9674	6.3197	0.0364	9.1000e-004	7.5005

Total	0.1905	0.7159	1.5797	4.5400e-003	0.3302	6.8100e-003	0.3370	0.0885	6.4900e-003	0.0950	6.2939	494.1508	500.4447	0.4150	1.8200e-003	511.3603
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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	0.0387	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
Energy	2.2800e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	80.6598	80.6598	2.8300e-003	9.1000e-004	81.0017
Mobile	0.1495	0.6952	1.5622	4.4200e-003	0.3302	5.2400e-003	0.3354	0.0885	4.9200e-003	0.0934	0.0000	407.5234	407.5234	0.0246	0.0000	408.1380
Waste						0.0000	0.0000		0.0000	0.0000	5.9416	0.0000	5.9416	0.3511	0.0000	14.7199
Water						0.0000	0.0000		0.0000	0.0000	0.2819	4.9629	5.2448	0.0292	7.3000e-004	6.1900
Total	0.1905	0.7159	1.5797	4.5400e-003	0.3302	6.8100e-003	0.3370	0.0885	6.4900e-003	0.0950	6.2234	493.1463	499.3697	0.4077	1.6400e-003	510.0499

	ROG	NOx	CO	SO2	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	1.12	0.20	0.21	1.75	9.89	0.26

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/26/2019	2/25/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1495	0.6952	1.5622	4.4200e-003	0.3302	5.2400e-003	0.3354	0.0885	4.9200e-003	0.0934	0.0000	407.5234	407.5234	0.0246	0.0000	408.1380
Unmitigated	0.1495	0.6952	1.5622	4.4200e-003	0.3302	5.2400e-003	0.3354	0.0885	4.9200e-003	0.0934	0.0000	407.5234	407.5234	0.0246	0.0000	408.1380

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	215.00	267.79	222.94	304,834	304,834
Strip Mall	324.03	307.39	149.38	564,506	564,506
Total	539.03	575.17	372.32	869,340	869,340

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.548893	0.044275	0.199565	0.124385	0.017503	0.005874	0.020174	0.028962	0.001990	0.002015	0.004673	0.000702	0.000989
Strip Mall	0.548893	0.044275	0.199565	0.124385	0.017503	0.005874	0.020174	0.028962	0.001990	0.002015	0.004673	0.000702	0.000989

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	58.1155	58.1155	2.4000e-003	5.0000e-004	58.3234
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	58.1155	58.1155	2.4000e-003	5.0000e-004	58.3234
NaturalGas Mitigated	2.2800e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.5443	22.5443	4.3000e-004	4.1000e-004	22.6783
NaturalGas Unmitigated	2.2800e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.5443	22.5443	4.3000e-004	4.1000e-004	22.6783

5.2 Energy by Land Use - NaturalGas

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					
High Turnover (Sit Down Restaurant)	409830	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.8701	21.8701	4.2000e-004	4.0000e-004	22.0000
Strip Mall	12634.6	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6742	0.6742	1.0000e-005	1.0000e-005	0.6782
Total		2.2800e-003	0.0207	0.0174	1.2000e-004		1.5800e-003	1.5800e-003		1.5800e-003	1.5800e-003	0.0000	22.5443	22.5443	4.3000e-004	4.1000e-004	22.6783

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					
High Turnover (Sit Down Restaurant)	409830	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.8701	21.8701	4.2000e-004	4.0000e-004	22.0000
Strip Mall	12634.6	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6742	0.6742	1.0000e-005	1.0000e-005	0.6782
Total		2.2800e-003	0.0207	0.0174	1.2000e-004		1.5800e-003	1.5800e-003		1.5800e-003	1.5800e-003	0.0000	22.5443	22.5443	4.3000e-004	4.1000e-004	22.6783

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High Turnover (Sit Down Restaurant)	78392.6	24.9776	1.0300e-003	2.1000e-004	25.0669
Strip Mall	104004	33.1379	1.3700e-003	2.8000e-004	33.2565

Mitigated	0.0387	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
Unmitigated	0.0387	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.3900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
Total	0.0387	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.3900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004

Total	0.0387	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
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7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.2448	0.0292	7.3000e-004	6.1900
Unmitigated	6.3197	0.0364	9.1000e-004	7.5005

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	0.54029 / 0.0344866	2.5350	0.0177	4.4000e-004	3.1075

Strip Mall	0.570358 / 0.349575	3.7847	0.0187	4.7000e- 004	4.3930
Total		6.3197	0.0364	9.1000e- 004	7.5005

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	0.432232 / 0.0323829	2.0450	0.0142	3.5000e- 004	2.5030
Strip Mall	0.456287 / 0.32825	3.1998	0.0150	3.8000e- 004	3.6870
Total		5.2448	0.0292	7.3000e- 004	6.1900

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.9416	0.3511	0.0000	14.7199
Unmitigated	5.9416	0.3511	0.0000	14.7199

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	21.18	4.2994	0.2541	0.0000	10.6515
Strip Mall	8.09	1.6422	0.0971	0.0000	4.0685
Total		5.9416	0.3511	0.0000	14.7199

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	21.18	4.2994	0.2541	0.0000	10.6515
Strip Mall	8.09	1.6422	0.0971	0.0000	4.0685
Total		5.9416	0.3511	0.0000	14.7199

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Existing Summer

Mission Bell Mixed-Use (Existing) - South Coast Air Basin, Summer

Mission Bell Mixed-Use (Existing)
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	7.70	1000sqft	0.18	7,704.00	0
High Turnover (Sit Down Restaurant)	1.78	1000sqft	0.04	1,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Existing operation only

Off-road Equipment - Existing operation only

Vehicle Trips - Based on trips rates from the 2017 Traffic Study.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	3/11/2019	2/25/2019
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	ST_TR	158.37	150.78
tblVehicleTrips	ST_TR	42.04	39.90
tblVehicleTrips	SU_TR	131.84	125.53
tblVehicleTrips	SU_TR	20.43	19.39
tblVehicleTrips	WD_TR	127.15	121.06
tblVehicleTrips	WD_TR	44.32	42.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

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	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
Energy	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003		136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782
Mobile	1.0034	4.1940	9.8754	0.0286	2.0860	0.0324	2.1184	0.5582	0.0305	0.5886		2,901.2061	2,901.2061	0.1680		2,905.4069
Total	1.2277	4.3075	9.9717	0.0292	2.0860	0.0410	2.1270	0.5582	0.0391	0.5972		3,037.3772	3,037.3772	0.1707	2.5000e-003	3,042.3873

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	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
Energy	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003		136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782
Mobile	1.0034	4.1940	9.8754	0.0286	2.0860	0.0324	2.1184	0.5582	0.0305	0.5886		2,901.2061	2,901.2061	0.1680		2,905.4069
Total	1.2277	4.3075	9.9717	0.0292	2.0860	0.0410	2.1270	0.5582	0.0391	0.5972		3,037.3772	3,037.3772	0.1707	2.5000e-003	3,042.3873

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/26/2019	2/25/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0034	4.1940	9.8754	0.0286	2.0860	0.0324	2.1184	0.5582	0.0305	0.5886		2,901.2061	2,901.2061	0.1680		2,905.4069
Unmitigated	1.0034	4.1940	9.8754	0.0286	2.0860	0.0324	2.1184	0.5582	0.0305	0.5886		2,901.2061	2,901.2061	0.1680		2,905.4069

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	215.00	267.79	222.94	304,834	304,834
Strip Mall	324.03	307.39	149.38	564,506	564,506
Total	539.03	575.17	372.32	869,340	869,340

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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High Turnover (Sit Down Restaurant)	0.548893	0.044275	0.199565	0.124385	0.017503	0.005874	0.020174	0.028962	0.001990	0.002015	0.004673	0.000702	0.000989
Strip Mall	0.548893	0.044275	0.199565	0.124385	0.017503	0.005874	0.020174	0.028962	0.001990	0.002015	0.004673	0.000702	0.000989

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003		136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782
NaturalGas Unmitigated	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003		136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782

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					
High Turnover (Sit Down Restaurant)	1122.82	0.0121	0.1101	0.0925	6.6000e-004		8.3700e-003	8.3700e-003		8.3700e-003	8.3700e-003		132.0966	132.0966	2.5300e-003	2.4200e-003	132.8816
Strip Mall	34.6152	3.7000e-004	3.3900e-003	2.8500e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0724	4.0724	8.0000e-005	7.0000e-005	4.0966

Mitigated	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005	2.2200e-003
Unmitigated	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005	2.2200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
Total	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003

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	0.0241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003

Total	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
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7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Existing Winter

Mission Bell Mixed-Use (Existing) - South Coast Air Basin, Winter

Mission Bell Mixed-Use (Existing)
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	7.70	1000sqft	0.18	7,704.00	0
High Turnover (Sit Down Restaurant)	1.78	1000sqft	0.04	1,776.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Existing operation only

Off-road Equipment - Existing operation only

Vehicle Trips - Based on trips rates from the 2017 Traffic Study.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	3/11/2019	2/25/2019
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	ST_TR	158.37	150.78
tblVehicleTrips	ST_TR	42.04	39.90
tblVehicleTrips	SU_TR	131.84	125.53
tblVehicleTrips	SU_TR	20.43	19.39
tblVehicleTrips	WD_TR	127.15	121.06
tblVehicleTrips	WD_TR	44.32	42.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

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	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
Energy	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003		136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782
Mobile	0.9661	4.2502	9.6529	0.0270	2.0860	0.0328	2.1188	0.5582	0.0308	0.5890		2,746.4667	2,746.4667	0.1705		2,750.7282
Total	1.1905	4.3637	9.7492	0.0277	2.0860	0.0414	2.1274	0.5582	0.0395	0.5976		2,882.6377	2,882.6377	0.1731	2.5000e-003	2,887.7086

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	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
Energy	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003		136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782
Mobile	0.9661	4.2502	9.6529	0.0270	2.0860	0.0328	2.1188	0.5582	0.0308	0.5890		2,746.4667	2,746.4667	0.1705		2,750.7282
Total	1.1905	4.3637	9.7492	0.0277	2.0860	0.0414	2.1274	0.5582	0.0395	0.5976		2,882.6377	2,882.6377	0.1731	2.5000e-003	2,887.7086

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/26/2019	2/25/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9661	4.2502	9.6529	0.0270	2.0860	0.0328	2.1188	0.5582	0.0308	0.5890		2,746.4667	2,746.4667	0.1705		2,750.7282
Unmitigated	0.9661	4.2502	9.6529	0.0270	2.0860	0.0328	2.1188	0.5582	0.0308	0.5890		2,746.4667	2,746.4667	0.1705		2,750.7282

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	215.00	267.79	222.94	304,834	304,834
Strip Mall	324.03	307.39	149.38	564,506	564,506
Total	539.03	575.17	372.32	869,340	869,340

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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High Turnover (Sit Down Restaurant)	0.548893	0.044275	0.199565	0.124385	0.017503	0.005874	0.020174	0.028962	0.001990	0.002015	0.004673	0.000702	0.000989
Strip Mall	0.548893	0.044275	0.199565	0.124385	0.017503	0.005874	0.020174	0.028962	0.001990	0.002015	0.004673	0.000702	0.000989

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003			136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782
NaturalGas Unmitigated	0.0125	0.1135	0.0953	6.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003			136.1690	136.1690	2.6100e-003	2.5000e-003	136.9782

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						
High Turnover (Sit Down Restaurant)	1122.82	0.0121	0.1101	0.0925	6.6000e-004		8.3700e-003	8.3700e-003		8.3700e-003	8.3700e-003			132.0966	132.0966	2.5300e-003	2.4200e-003	132.8816
Strip Mall	34.6152	3.7000e-004	3.3900e-003	2.8500e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004			4.0724	4.0724	8.0000e-005	7.0000e-005	4.0966

Mitigated	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005	2.2200e-003
Unmitigated	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005	2.2200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
Total	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003

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	0.0241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003

Total	0.2119	1.0000e-005	9.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0700e-003	2.0700e-003	1.0000e-005		2.2200e-003
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7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Mission Bell Mixed-Use (Proposed) - South Coast Air Basin, Annual

Mission Bell Mixed-Use (Proposed)
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	7.34	1000sqft	0.00	7,335.00	0
Apartments Mid Rise	36.00	Dwelling Unit	0.71	33,151.00	103
Other Non-Asphalt Surfaces	5.45	1000sqft	0.00	5,452.00	0
Enclosed Parking with Elevator	114.00	Space	0.00	45,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9	Operational Year	2023		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land use assumptions and size are from the latest site plan. Subterranean parking is built below the Project Site.

Construction Phase - Based on an 27-month construction schedule.

Architectural coating and paving to take place intermittently towards the tail end of building construction

Off-road Equipment - No cranes

Off-road Equipment - Grading phase will consist of 1 excavator and 1 bulldozer.

Grading - Approximately 23,700 cubic yards of soil to be hauled

tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstructionPhase	NumDays	5.00	46.00
tblConstructionPhase	NumDays	100.00	525.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	26.00
tblConstructionPhase	PhaseEndDate	6/19/2020	4/8/2022
tblConstructionPhase	PhaseEndDate	6/5/2020	4/8/2022
tblConstructionPhase	PhaseEndDate	1/14/2020	1/11/2020
tblConstructionPhase	PhaseEndDate	1/17/2020	4/4/2020
tblConstructionPhase	PhaseEndDate	6/12/2020	4/8/2022
tblConstructionPhase	PhaseStartDate	6/13/2020	2/4/2022
tblConstructionPhase	PhaseStartDate	1/18/2020	4/5/2020
tblConstructionPhase	PhaseStartDate	1/16/2020	1/12/2020
tblConstructionPhase	PhaseStartDate	6/6/2020	3/4/2022
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.80	0.00
tblGrading	MaterialExported	0.00	23,700.00
tblLandUse	LandUseSquareFeet	7,340.00	7,335.00
tblLandUse	LandUseSquareFeet	36,000.00	33,151.00
tblLandUse	LandUseSquareFeet	5,450.00	5,452.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	0.95	0.71
tblLandUse	LotAcreage	0.13	0.00
tblLandUse	LotAcreage	1.03	0.00
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblVehicleTrips	ST_TR	6.39	6.05

tblVehicleTrips	ST_TR	42.04	37.90
tblVehicleTrips	SU_TR	5.86	5.55
tblVehicleTrips	SU_TR	20.43	18.42
tblVehicleTrips	WD_TR	6.65	6.30
tblVehicleTrips	WD_TR	44.32	39.96
tblWoodstoves	NumberCatalytic	1.80	0.00
tblWoodstoves	NumberNoncatalytic	1.80	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1153	1.3284	1.0730	3.0900e-003	0.1177	0.0498	0.1675	0.0374	0.0460	0.0834	0.0000	287.7755	287.7755	0.0413	0.0000	288.8079
2021	0.1062	0.9108	1.0880	2.2200e-003	0.0823	0.0464	0.1287	0.0221	0.0427	0.0648	0.0000	201.1469	201.1469	0.0359	0.0000	202.0439
2022	0.1853	0.3302	0.4323	8.5000e-004	0.0272	0.0160	0.0431	7.2800e-003	0.0149	0.0222	0.0000	75.6400	75.6400	0.0136	0.0000	75.9802
Maximum	0.1853	1.3284	1.0880	3.0900e-003	0.1177	0.0498	0.1675	0.0374	0.0460	0.0834	0.0000	287.7755	287.7755	0.0413	0.0000	288.8079

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					
2020	0.2776	1.9904	1.8028	3.0900e-003	0.1002	0.1094	0.2096	0.0293	0.1092	0.1385	0.0000	287.7754	287.7754	0.0413	0.0000	288.8078
2021	0.3017	1.6675	1.8334	2.2200e-003	0.0823	0.1260	0.2083	0.0221	0.1259	0.1480	0.0000	201.1468	201.1468	0.0359	0.0000	202.0438
2022	0.2654	0.6789	0.7473	8.5000e-004	0.0272	0.0504	0.0776	7.2800e-003	0.0504	0.0577	0.0000	75.6399	75.6399	0.0136	0.0000	75.9802
Maximum	0.3017	1.9904	1.8334	3.0900e-003	0.1002	0.1260	0.2096	0.0293	0.1259	0.1480	0.0000	287.7754	287.7754	0.0413	0.0000	288.8078

	ROG	NOx	CO	SO2	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	-107.69	-68.80	-69.03	0.00	7.68	-154.74	-46.03	12.18	-175.79	-102.08	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	1-1-2020	3-31-2020	0.5720	0.7453
2	4-1-2020	6-30-2020	0.2929	0.5061
3	7-1-2020	9-30-2020	0.2819	0.4999
4	10-1-2020	12-31-2020	0.2832	0.5012
5	1-1-2021	3-31-2021	0.2504	0.4849
6	4-1-2021	6-30-2021	0.2521	0.4892
7	7-1-2021	9-30-2021	0.2548	0.4946
8	10-1-2021	12-31-2021	0.2559	0.4957
9	1-1-2022	3-31-2022	0.4515	0.8282
10	4-1-2022	6-30-2022	0.0618	0.1125
		Highest	0.5720	0.8282

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	0.1762	0.0106	0.3757	6.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	7.9578	7.9578	7.3000e-004	1.3000e-004	8.0162
Energy	2.6700e-003	0.0228	9.9500e-003	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	189.5027	189.5027	7.2400e-003	1.8800e-003	190.2431
Mobile	0.1169	0.5375	1.4609	5.5700e-003	0.4817	4.0500e-003	0.4858	0.1291	3.7700e-003	0.1328	0.0000	515.3017	515.3017	0.0241	0.0000	515.9032
Waste						0.0000	0.0000		0.0000	0.0000	4.9266	0.0000	4.9266	0.2912	0.0000	12.2054
Water						0.0000	0.0000		0.0000	0.0000	0.9166	18.4009	19.3175	0.0949	2.3800e-003	22.3994
Total	0.2957	0.5709	1.8465	5.7800e-003	0.4817	8.4600e-003	0.4902	0.1291	8.1800e-003	0.1373	5.8432	731.1631	737.0063	0.4181	4.3900e-003	748.7673

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	0.1762	0.0106	0.3757	6.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	7.9578	7.9578	7.3000e-004	1.3000e-004	8.0162
Energy	2.6700e-003	0.0228	9.9500e-003	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	189.5027	189.5027	7.2400e-003	1.8800e-003	190.2431
Mobile	0.1169	0.5375	1.4609	5.5700e-003	0.4817	4.0500e-003	0.4858	0.1291	3.7700e-003	0.1328	0.0000	515.3017	515.3017	0.0241	0.0000	515.9032
Waste						0.0000	0.0000		0.0000	0.0000	4.9266	0.0000	4.9266	0.2912	0.0000	12.2054
Water						0.0000	0.0000		0.0000	0.0000	0.7333	15.6122	16.3455	0.0760	1.9100e-003	18.8143
Total	0.2957	0.5709	1.8465	5.7800e-003	0.4817	8.4600e-003	0.4902	0.1291	8.1800e-003	0.1373	5.6599	728.3745	734.0344	0.3991	3.9200e-003	745.1821

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.14	0.38	0.40	4.53	10.71	0.48
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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/11/2020	5	8	
2	Grading	Grading	1/12/2020	4/4/2020	5	60	
3	Building Construction	Building Construction	4/5/2020	4/8/2022	5	525	
4	Architectural Coating	Architectural Coating	2/4/2022	4/8/2022	5	46	
5	Paving	Paving	3/4/2022	4/8/2022	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 67,131; Residential Outdoor: 22,377; Non-Residential Indoor: 11,003; Non-Residential Outdoor: 3,668; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	2,963.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	50.00	13.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	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

3.2 Demolition - 2020

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					4.6700e-003	0.0000	4.6700e-003	7.1000e-004	0.0000	7.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4700e-003	0.0315	0.0305	5.0000e-005		1.8700e-003	1.8700e-003		1.7800e-003	1.7800e-003	0.0000	4.1630	4.1630	7.9000e-004	0.0000	4.1827
Total	3.4700e-003	0.0315	0.0305	5.0000e-005	4.6700e-003	1.8700e-003	6.5400e-003	7.1000e-004	1.7800e-003	2.4900e-003	0.0000	4.1630	4.1630	7.9000e-004	0.0000	4.1827

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	1.7000e-004	6.1800e-003	1.2800e-003	2.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.6313	1.6313	1.2000e-004	0.0000	1.6342
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	1.8000e-004	1.4000e-004	1.5200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3955	0.3955	1.0000e-005	0.0000	0.3957
Total	3.5000e-004	6.3200e-003	2.8000e-003	2.0000e-005	8.1000e-004	2.0000e-005	8.3000e-004	2.2000e-004	2.0000e-005	2.4000e-004	0.0000	2.0267	2.0267	1.3000e-004	0.0000	2.0300

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					1.8200e-003	0.0000	1.8200e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8100e-003	0.0573	0.0610	5.0000e-005		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003	0.0000	4.1630	4.1630	7.9000e-004	0.0000	4.1827
Total	9.8100e-003	0.0573	0.0610	5.0000e-005	1.8200e-003	4.4900e-003	6.3100e-003	2.8000e-004	4.4900e-003	4.7700e-003	0.0000	4.1630	4.1630	7.9000e-004	0.0000	4.1827

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	1.7000e-004	6.1800e-003	1.2800e-003	2.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.6313	1.6313	1.2000e-004	0.0000	1.6342
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	1.8000e-004	1.4000e-004	1.5200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3955	0.3955	1.0000e-005	0.0000	0.3957
Total	3.5000e-004	6.3200e-003	2.8000e-003	2.0000e-005	8.1000e-004	2.0000e-005	8.3000e-004	2.2000e-004	2.0000e-005	2.4000e-004	0.0000	2.0267	2.0267	1.3000e-004	0.0000	2.0300

3.3 Grading - 2020

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					0.0239	0.0000	0.0239	0.0126	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1149	0.1135	1.9000e-004		5.5900e-003	5.5900e-003		5.1400e-003	5.1400e-003	0.0000	16.4256	16.4256	5.3100e-003	0.0000	16.5584
Total	0.0114	0.1149	0.1135	1.9000e-004	0.0239	5.5900e-003	0.0295	0.0126	5.1400e-003	0.0178	0.0000	16.4256	16.4256	5.3100e-003	0.0000	16.5584

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	0.0119	0.4261	0.0884	1.1400e-003	0.0255	1.3400e-003	0.0268	6.9900e-003	1.2900e-003	8.2700e-003	0.0000	112.4059	112.4059	8.1400e-003	0.0000	112.6095

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	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
Total	0.0126	0.4266	0.0941	1.1600e-003	0.0271	1.3500e-003	0.0285	7.4300e-003	1.3000e-003	8.7200e-003	0.0000	113.8889	113.8889	8.1800e-003	0.0000	114.0935

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					9.3300e-003	0.0000	9.3300e-003	4.9200e-003	0.0000	4.9200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0285	0.2465	0.2643	1.9000e-004		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003	0.0000	16.4256	16.4256	5.3100e-003	0.0000	16.5584
Total	0.0285	0.2465	0.2643	1.9000e-004	9.3300e-003	9.4100e-003	0.0187	4.9200e-003	9.4100e-003	0.0143	0.0000	16.4256	16.4256	5.3100e-003	0.0000	16.5584

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	0.0119	0.4261	0.0884	1.1400e-003	0.0255	1.3400e-003	0.0268	6.9900e-003	1.2900e-003	8.2700e-003	0.0000	112.4059	112.4059	8.1400e-003	0.0000	112.6095
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	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
Total	0.0126	0.4266	0.0941	1.1600e-003	0.0271	1.3500e-003	0.0285	7.4300e-003	1.3000e-003	8.7200e-003	0.0000	113.8889	113.8889	8.1800e-003	0.0000	114.0935

3.4 Building Construction - 2020

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	0.0616	0.5972	0.6140	8.2000e-004		0.0399	0.0399		0.0367	0.0367	0.0000	72.4728	72.4728	0.0234	0.0000	73.0588
Total	0.0616	0.5972	0.6140	8.2000e-004		0.0399	0.0399		0.0367	0.0367	0.0000	72.4728	72.4728	0.0234	0.0000	73.0588

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	4.2700e-003	0.1352	0.0341	3.2000e-004	7.9500e-003	6.6000e-004	8.6100e-003	2.2900e-003	6.3000e-004	2.9300e-003	0.0000	30.8500	30.8500	2.0600e-003	0.0000	30.9015
Worker	0.0216	0.0166	0.1840	5.3000e-004	0.0532	4.1000e-004	0.0536	0.0141	3.8000e-004	0.0145	0.0000	47.9485	47.9485	1.3800e-003	0.0000	47.9831
Total	0.0259	0.1518	0.2181	8.5000e-004	0.0612	1.0700e-003	0.0622	0.0164	1.0100e-003	0.0174	0.0000	78.7986	78.7986	3.4400e-003	0.0000	78.8846

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	0.2005	1.1019	1.1625	8.2000e-004		0.0930	0.0930		0.0930	0.0930	0.0000	72.4727	72.4727	0.0234	0.0000	73.0587
Total	0.2005	1.1019	1.1625	8.2000e-004		0.0930	0.0930		0.0930	0.0930	0.0000	72.4727	72.4727	0.0234	0.0000	73.0587

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	4.2700e-003	0.1352	0.0341	3.2000e-004	7.9500e-003	6.6000e-004	8.6100e-003	2.2900e-003	6.3000e-004	2.9300e-003	0.0000	30.8500	30.8500	2.0600e-003	0.0000	30.9015
Worker	0.0216	0.0166	0.1840	5.3000e-004	0.0532	4.1000e-004	0.0536	0.0141	3.8000e-004	0.0145	0.0000	47.9485	47.9485	1.3800e-003	0.0000	47.9831
Total	0.0259	0.1518	0.2181	8.5000e-004	0.0612	1.0700e-003	0.0622	0.0164	1.0100e-003	0.0174	0.0000	78.7986	78.7986	3.4400e-003	0.0000	78.8846

3.4 Building Construction - 2021

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	0.0742	0.7256	0.8185	1.1100e-003		0.0456	0.0456		0.0419	0.0419	0.0000	97.5332	97.5332	0.0315	0.0000	98.3218

Total	0.0742	0.7256	0.8185	1.1100e-003		0.0456	0.0456		0.0419	0.0419	0.0000	97.5332	97.5332	0.0315	0.0000	98.3218
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8800e-003	0.1650	0.0417	4.2000e-004	0.0107	3.4000e-004	0.0110	3.0800e-003	3.2000e-004	3.4100e-003	0.0000	41.1921	41.1921	2.6600e-003	0.0000	41.2585
Worker	0.0271	0.0201	0.2277	6.9000e-004	0.0716	5.4000e-004	0.0721	0.0190	5.0000e-004	0.0195	0.0000	62.4215	62.4215	1.6800e-003	0.0000	62.4635
Total	0.0320	0.1852	0.2694	1.1100e-003	0.0823	8.8000e-004	0.0832	0.0221	8.2000e-004	0.0229	0.0000	103.6137	103.6137	4.3400e-003	0.0000	103.7221

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	0.2697	1.4824	1.5640	1.1100e-003		0.1251	0.1251		0.1251	0.1251	0.0000	97.5331	97.5331	0.0315	0.0000	98.3217
Total	0.2697	1.4824	1.5640	1.1100e-003		0.1251	0.1251		0.1251	0.1251	0.0000	97.5331	97.5331	0.0315	0.0000	98.3217

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	4.8800e-003	0.1650	0.0417	4.2000e-004	0.0107	3.4000e-004	0.0110	3.0800e-003	3.2000e-004	3.4100e-003	0.0000	41.1921	41.1921	2.6600e-003	0.0000	41.2585
Worker	0.0271	0.0201	0.2277	6.9000e-004	0.0716	5.4000e-004	0.0721	0.0190	5.0000e-004	0.0195	0.0000	62.4215	62.4215	1.6800e-003	0.0000	62.4635
Total	0.0320	0.1852	0.2694	1.1100e-003	0.0823	8.8000e-004	0.0832	0.0221	8.2000e-004	0.0229	0.0000	103.6137	103.6137	4.3400e-003	0.0000	103.7221

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0175	0.1727	0.2172	3.0000e-004		9.9800e-003	9.9800e-003		9.1800e-003	9.1800e-003	0.0000	26.1799	26.1799	8.4700e-003	0.0000	26.3915
Total	0.0175	0.1727	0.2172	3.0000e-004		9.9800e-003	9.9800e-003		9.1800e-003	9.1800e-003	0.0000	26.1799	26.1799	8.4700e-003	0.0000	26.3915

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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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	1.2300e-003	0.0420	0.0106	1.1000e-004	2.8700e-003	8.0000e-005	2.9500e-003	8.3000e-004	8.0000e-005	9.0000e-004	0.0000	10.9501	10.9501	6.9000e-004	0.0000	10.9673
Worker	6.8300e-003	4.8800e-003	0.0564	1.8000e-004	0.0192	1.4000e-004	0.0193	5.1000e-003	1.3000e-004	5.2300e-003	0.0000	16.1418	16.1418	4.1000e-004	0.0000	16.1519
Total	8.0600e-003	0.0469	0.0670	2.9000e-004	0.0221	2.2000e-004	0.0223	5.9300e-003	2.1000e-004	6.1300e-003	0.0000	27.0919	27.0919	1.1000e-003	0.0000	27.1192

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	0.0723	0.3976	0.4195	3.0000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	26.1798	26.1798	8.4700e-003	0.0000	26.3915
Total	0.0723	0.3976	0.4195	3.0000e-004		0.0336	0.0336		0.0336	0.0336	0.0000	26.1798	26.1798	8.4700e-003	0.0000	26.3915

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	1.2300e-003	0.0420	0.0106	1.1000e-004	2.8700e-003	8.0000e-005	2.9500e-003	8.3000e-004	8.0000e-005	9.0000e-004	0.0000	10.9501	10.9501	6.9000e-004	0.0000	10.9673

Worker	6.8300e-003	4.8800e-003	0.0564	1.8000e-004	0.0192	1.4000e-004	0.0193	5.1000e-003	1.3000e-004	5.2300e-003	0.0000	16.1418	16.1418	4.1000e-004	0.0000	16.1519
Total	8.0600e-003	0.0469	0.0670	2.9000e-004	0.0221	2.2000e-004	0.0223	5.9300e-003	2.1000e-004	6.1300e-003	0.0000	27.0919	27.0919	1.1000e-003	0.0000	27.1192

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-003	0.0324	0.0417	7.0000e-005		1.8800e-003	1.8800e-003		1.8800e-003	1.8800e-003	0.0000	5.8725	5.8725	3.8000e-004	0.0000	5.8820
Total	0.1495	0.0324	0.0417	7.0000e-005		1.8800e-003	1.8800e-003		1.8800e-003	1.8800e-003	0.0000	5.8725	5.8725	3.8000e-004	0.0000	5.8820

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	6.4000e-004	7.4100e-003	2.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.1215	2.1215	5.0000e-005	0.0000	2.1228
Total	9.0000e-004	6.4000e-004	7.4100e-003	2.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.1215	2.1215	5.0000e-005	0.0000	2.1228

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	0.1448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0136	0.0745	0.0786	7.0000e-005		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	5.8725	5.8725	3.8000e-004	0.0000	5.8820
Total	0.1584	0.0745	0.0786	7.0000e-005		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	5.8725	5.8725	3.8000e-004	0.0000	5.8820

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	6.4000e-004	7.4100e-003	2.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.1215	2.1215	5.0000e-005	0.0000	2.1228
Total	9.0000e-004	6.4000e-004	7.4100e-003	2.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.1215	2.1215	5.0000e-005	0.0000	2.1228

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Total	0.0248	0.1586	0.1674	1.5000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	12.2159	12.2159	3.5600e-003	0.0000	12.3048
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.1000e-004	6.5000e-004	7.5400e-003	2.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.1584	2.1584	5.0000e-005	0.0000	2.1598
Total	9.1000e-004	6.5000e-004	7.5400e-003	2.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.1584	2.1584	5.0000e-005	0.0000	2.1598

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1169	0.5375	1.4609	5.5700e-003	0.4817	4.0500e-003	0.4858	0.1291	3.7700e-003	0.1328	0.0000	515.3017	515.3017	0.0241	0.0000	515.9032
Unmitigated	0.1169	0.5375	1.4609	5.5700e-003	0.4817	4.0500e-003	0.4858	0.1291	3.7700e-003	0.1328	0.0000	515.3017	515.3017	0.0241	0.0000	515.9032

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	226.80	217.80	199.80	757,436	757,436
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	293.31	278.19	135.20	510,961	510,961
Total	520.11	495.99	335.00	1,268,397	1,268,397

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
Apartments Mid 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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Enclosed Parking with Elevator	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Other Non-Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Strip Mall	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

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	163.1255	163.1255	6.7300e-003	1.3900e-003	163.7090
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	163.1255	163.1255	6.7300e-003	1.3900e-003	163.7090
NaturalGas Mitigated	2.6700e-003	0.0228	9.9500e-003	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3773	26.3773	5.1000e-004	4.8000e-004	26.5340
NaturalGas Unmitigated	2.6700e-003	0.0228	9.9500e-003	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3773	26.3773	5.1000e-004	4.8000e-004	26.5340

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	482262	2.6000e-003	0.0222	9.4600e-003	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	25.7353	25.7353	4.9000e-004	4.7000e-004	25.8883
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	12029.4	6.0000e-005	5.9000e-004	5.0000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6419	0.6419	1.0000e-005	1.0000e-005	0.6458
Total		2.6600e-003	0.0228	9.9600e-003	1.4000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3773	26.3773	5.0000e-004	4.8000e-004	26.5340

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					
Apartments Mid Rise	482262	2.6000e-003	0.0222	9.4600e-003	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	25.7353	25.7353	4.9000e-004	4.7000e-004	25.8883
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	12029.4	6.0000e-005	5.9000e-004	5.0000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6419	0.6419	1.0000e-005	1.0000e-005	0.6458
Total		2.6600e-003	0.0228	9.9600e-003	1.4000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3773	26.3773	5.0000e-004	4.8000e-004	26.5340

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	145734	46.4340	1.9200e-003	4.0000e-004	46.6001
Enclosed Parking with Elevator	267216	85.1407	3.5200e-003	7.3000e-004	85.4453
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	99022.5	31.5507	1.3000e-003	2.7000e-004	31.6636
Total		163.1254	6.7400e-003	1.4000e-003	163.7090

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	145734	46.4340	1.9200e-003	4.0000e-004	46.6001
Enclosed Parking with Elevator	267216	85.1407	3.5200e-003	7.3000e-004	85.4453
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	99022.5	31.5507	1.3000e-003	2.7000e-004	31.6636
Total		163.1254	6.7400e-003	1.4000e-003	163.7090

6.0 Area Detail

6.1 Mitigation Measures Area

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 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	0.1762	0.0106	0.3757	6.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	7.9578	7.9578	7.3000e-004	1.3000e-004	8.0162
Unmitigated	0.1762	0.0106	0.3757	6.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	7.9578	7.9578	7.3000e-004	1.3000e-004	8.0162

6.2 Area by SubCategory
Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.4000e-004	6.3400e-003	2.7000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.3482	7.3482	1.4000e-004	1.3000e-004	7.3919
Landscaping	0.0113	4.3000e-003	0.3730	2.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	0.6096	0.6096	5.9000e-004	0.0000	0.6244
Total	0.1762	0.0106	0.3757	6.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	7.9578	7.9578	7.3000e-004	1.3000e-004	8.0162

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.4000e-004	6.3400e-003	2.7000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.3482	7.3482	1.4000e-004	1.3000e-004	7.3919
Landscaping	0.0113	4.3000e-003	0.3730	2.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	0.6096	0.6096	5.9000e-004	0.0000	0.6244
Total	0.1762	0.0106	0.3757	6.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	7.9578	7.9578	7.3000e-004	1.3000e-004	8.0162

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.3455	0.0760	1.9100e-003	18.8143
Unmitigated	19.3175	0.0949	2.3800e-003	22.3994

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.34554 / 1.47871	15.7097	0.0771	1.9300e-003	18.2118
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000

Strip Mall	0.543692 / 0.333231	3.6077	0.0179	4.5000e- 004	4.1876
Total		19.3175	0.0949	2.3800e- 003	22.3994

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.87644 / 1.38851	13.2954	0.0617	1.5500e- 003	15.2996
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.434954 / 0.312904	3.0502	0.0143	3.6000e- 004	3.5146
Total		16.3455	0.0760	1.9100e- 003	18.8143

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.9266	0.2912	0.0000	12.2054

Unmitigated	4.9266	0.2912	0.0000	12.2054
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	16.56	3.3615	0.1987	0.0000	8.3281
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.71	1.5651	0.0925	0.0000	3.8774
Total		4.9266	0.2912	0.0000	12.2054

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	16.56	3.3615	0.1987	0.0000	8.3281
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.71	1.5651	0.0925	0.0000	3.8774

Total		4.9266	0.2912	0.0000	12.2054
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9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Proposed Summer

Mission Bell Mixed-Use (Proposed) - South Coast Air Basin, Summer

Mission Bell Mixed-Use (Proposed)
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	7.34	1000sqft	0.00	7,335.00	0
Apartments Mid Rise	36.00	Dwelling Unit	0.71	33,151.00	103
Other Non-Asphalt Surfaces	5.45	1000sqft	0.00	5,452.00	0
Enclosed Parking with Elevator	114.00	Space	0.00	45,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9	Operational Year	2023		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land use assumptions and size are from the latest site plan. Subterranean parking is built below the Project Site.

Construction Phase - Based on an 27-month construction schedule.

Architectural coating and paving to take place intermittently towards the tail end of building construction

Off-road Equipment - No cranes

Off-road Equipment - Grading phase will consist of 1 excavator and 1 bulldozer.

Grading - Approximately 23,700 cubic yards of soil to be hauled

tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstructionPhase	NumDays	5.00	46.00
tblConstructionPhase	NumDays	100.00	525.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	26.00
tblConstructionPhase	PhaseEndDate	6/19/2020	4/8/2022
tblConstructionPhase	PhaseEndDate	6/5/2020	4/8/2022
tblConstructionPhase	PhaseEndDate	1/14/2020	1/11/2020
tblConstructionPhase	PhaseEndDate	1/17/2020	4/4/2020
tblConstructionPhase	PhaseEndDate	6/12/2020	4/8/2022
tblConstructionPhase	PhaseStartDate	6/13/2020	2/4/2022
tblConstructionPhase	PhaseStartDate	1/18/2020	4/5/2020
tblConstructionPhase	PhaseStartDate	1/16/2020	1/12/2020
tblConstructionPhase	PhaseStartDate	6/6/2020	3/4/2022
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.80	0.00
tblGrading	MaterialExported	0.00	23,700.00
tblLandUse	LandUseSquareFeet	7,340.00	7,335.00
tblLandUse	LandUseSquareFeet	36,000.00	33,151.00
tblLandUse	LandUseSquareFeet	5,450.00	5,452.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	0.95	0.71
tblLandUse	LotAcreage	0.13	0.00
tblLandUse	LotAcreage	1.03	0.00
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblVehicleTrips	ST_TR	6.39	6.05

tblVehicleTrips	ST_TR	42.04	37.90
tblVehicleTrips	SU_TR	5.86	5.55
tblVehicleTrips	SU_TR	20.43	18.42
tblVehicleTrips	WD_TR	6.65	6.30
tblVehicleTrips	WD_TR	44.32	39.96
tblWoodstoves	NumberCatalytic	1.80	0.00
tblWoodstoves	NumberNoncatalytic	1.80	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.9550	17.6029	8.7007	0.0451	1.7159	0.4729	1.9470	0.6717	0.4511	0.8860	0.0000	4,820.7794	4,820.7794	0.4911	0.0000	4,833.0571
2021	0.8144	6.9418	8.4519	0.0174	0.6421	0.3558	0.9978	0.1722	0.3274	0.4996	0.0000	1,729.2624	1,729.2624	0.3031	0.0000	1,736.8407
2022	7.9882	13.6344	18.0494	0.0344	0.9550	0.6713	1.6264	0.2552	0.6277	0.8828	0.0000	3,323.1433	3,323.1433	0.6288	0.0000	3,338.8626
Maximum	7.9882	17.6029	18.0494	0.0451	1.7159	0.6713	1.9470	0.6717	0.6277	0.8860	0.0000	4,820.7794	4,820.7794	0.6288	0.0000	4,833.0571

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					
2020	2.5413	21.9908	15.9692	0.0451	1.2294	1.1290	1.7896	0.4152	1.1287	1.2530	0.0000	4,820.7794	4,820.7794	0.4911	0.0000	4,833.0571
2021	2.3127	12.7407	14.1642	0.0174	0.6421	0.9654	1.6075	0.1722	0.9650	1.1372	0.0000	1,729.2624	1,729.2624	0.3031	0.0000	1,736.8407
2022	11.2015	28.1742	31.2690	0.0344	0.9550	2.0362	2.9912	0.2552	2.0356	2.2908	0.0000	3,323.1433	3,323.1433	0.6288	0.0000	3,338.8626
Maximum	11.2015	28.1742	31.2690	0.0451	1.2294	2.0362	2.9912	0.4152	2.0356	2.2908	0.0000	4,820.7794	4,820.7794	0.6288	0.0000	4,833.0571

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-64.54	-64.76	-74.43	0.00	14.68	-175.38	-39.75	23.34	-193.65	-106.35	0.00	0.00	0.00	0.00	0.00	0.00

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	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568
Energy	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672
Mobile	0.7310	3.0169	8.8010	0.0335	2.8333	0.0234	2.8567	0.7580	0.0218	0.7797		3,411.8318	3,411.8318	0.1541		3,415.6849
Total	1.7948	3.6838	12.0552	0.0377	2.8333	0.0910	2.9243	0.7580	0.0894	0.8473	0.0000	4,224.5278	4,224.5278	0.1748	0.0148	4,233.3088

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	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568
Energy	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672
Mobile	0.7310	3.0169	8.8010	0.0335	2.8333	0.0234	2.8567	0.7580	0.0218	0.7797		3,411.8318	3,411.8318	0.1541		3,415.6849
Total	1.7948	3.6838	12.0552	0.0377	2.8333	0.0910	2.9243	0.7580	0.0894	0.8473	0.0000	4,224.5278	4,224.5278	0.1748	0.0148	4,233.3088

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/11/2020	5	8	
2	Grading	Grading	1/12/2020	4/4/2020	5	60	
3	Building Construction	Building Construction	4/5/2020	4/8/2022	5	525	
4	Architectural Coating	Architectural Coating	2/4/2022	4/8/2022	5	46	
5	Paving	Paving	3/4/2022	4/8/2022	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 67,131; Residential Outdoor: 22,377; Non-Residential Indoor: 11,003; Non-Residential Outdoor: 3,668; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	2,963.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	50.00	13.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	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

3.2 Demolition - 2020

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					1.1665	0.0000	1.1665	0.1766	0.0000	0.1766			0.0000				0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457			1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	1.1665	0.4672	1.6337	0.1766	0.4457	0.6223			1,147.2352	1,147.2352	0.2169		1,152.6578

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	0.0428	1.4975	0.3114	4.1700e-003	0.0939	4.8500e-003	0.0987	0.0257	4.6400e-003	0.0304			452.7899	452.7899	0.0320		453.5906
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	0.0449	0.0303	0.4076	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304			114.3836	114.3836	3.3000e-003		114.4660
Total	0.0876	1.5278	0.7190	5.3200e-003	0.2057	5.7000e-003	0.2114	0.0554	5.4300e-003	0.0608			567.1736	567.1736	0.0353		568.0567

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					0.4549	0.0000	0.4549	0.0689	0.0000	0.0689			0.0000			0.0000
Off-Road	2.4537	14.3217	15.2502	0.0120		1.1233	1.1233		1.1233	1.1233	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	2.4537	14.3217	15.2502	0.0120	0.4549	1.1233	1.5782	0.0689	1.1233	1.1922	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

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	0.0428	1.4975	0.3114	4.1700e-003	0.0939	4.8500e-003	0.0987	0.0257	4.6400e-003	0.0304		452.7899	452.7899	0.0320		453.5906
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	0.0449	0.0303	0.4076	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		114.3836	114.3836	3.3000e-003		114.4660
Total	0.0876	1.5278	0.7190	5.3200e-003	0.2057	5.7000e-003	0.2114	0.0554	5.4300e-003	0.0608		567.1736	567.1736	0.0353		568.0567

3.3 Grading - 2020

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					0.7974	0.0000	0.7974	0.4205	0.0000	0.4205			0.0000			0.0000
Off-Road	0.3799	3.8292	3.7843	6.2300e-003		0.1862	0.1862		0.1713	0.1713		603.5362	603.5362	0.1952		608.4161
Total	0.3799	3.8292	3.7843	6.2300e-003	0.7974	0.1862	0.9837	0.4205	0.1713	0.5919		603.5362	603.5362	0.1952		608.4161

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	0.3931	13.7586	2.8611	0.0383	0.8625	0.0445	0.9071	0.2364	0.0426	0.2789		4,160.0514	4,160.0514	0.2943		4,167.4080
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	0.0224	0.0152	0.2038	5.7000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		57.1918	57.1918	1.6500e-003		57.2330
Total	0.4155	13.7738	3.0649	0.0389	0.9184	0.0450	0.9634	0.2512	0.0430	0.2942		4,217.2432	4,217.2432	0.2959		4,224.6410

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					0.3110	0.0000	0.3110	0.1640	0.0000	0.1640			0.0000			0.0000
Off-Road	0.9511	8.2170	8.8095	6.2300e-003		0.3137	0.3137		0.3137	0.3137	0.0000	603.5362	603.5362	0.1952		608.4161
Total	0.9511	8.2170	8.8095	6.2300e-003	0.3110	0.3137	0.6247	0.1640	0.3137	0.4777	0.0000	603.5362	603.5362	0.1952		608.4161

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	0.3931	13.7586	2.8611	0.0383	0.8625	0.0445	0.9071	0.2364	0.0426	0.2789		4,160.0514	4,160.0514	0.2943		4,167.4080
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	0.0224	0.0152	0.2038	5.7000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		57.1918	57.1918	1.6500e-003		57.2330
Total	0.4155	13.7738	3.0649	0.0389	0.9184	0.0450	0.9634	0.2512	0.0430	0.2942		4,217.2432	4,217.2432	0.2959		4,224.6410

3.4 Building Construction - 2020

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	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424
Total	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424

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	0.0432	1.3692	0.3331	3.3200e-003	0.0832	6.7800e-003	0.0900	0.0240	6.4800e-003	0.0304		354.6287	354.6287	0.0227		355.1962
Worker	0.2243	0.1516	2.0379	5.7400e-003	0.5589	4.2600e-003	0.5632	0.1482	3.9300e-003	0.1522		571.9182	571.9182	0.0165		572.3302
Total	0.2674	1.5208	2.3710	9.0600e-003	0.6421	0.0110	0.6531	0.1722	0.0104	0.1826		926.5469	926.5469	0.0392		927.5264

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	2.0669	11.3593	11.9845	8.5000e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.5833	823.5833	0.2664		830.2424
Total	2.0669	11.3593	11.9845	8.5000e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.5833	823.5833	0.2664		830.2424

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	0.0432	1.3692	0.3331	3.3200e-003	0.0832	6.7800e-003	0.0900	0.0240	6.4800e-003	0.0304		354.6287	354.6287	0.0227		355.1962
Worker	0.2243	0.1516	2.0379	5.7400e-003	0.5589	4.2600e-003	0.5632	0.1482	3.9300e-003	0.1522		571.9182	571.9182	0.0165		572.3302
Total	0.2674	1.5208	2.3710	9.0600e-003	0.6421	0.0110	0.6531	0.1722	0.0104	0.1826		926.5469	926.5469	0.0392		927.5264

3.4 Building Construction - 2021

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	0.5685	5.5603	6.2723	8.5100e-003		0.3491	0.3491		0.3212	0.3212		823.8464	823.8464	0.2665		830.5076
Total	0.5685	5.5603	6.2723	8.5100e-003		0.3491	0.3491		0.3212	0.3212		823.8464	823.8464	0.2665		830.5076

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	0.0366	1.2450	0.3023	3.2900e-003	0.0832	2.5400e-003	0.0857	0.0240	2.4300e-003	0.0264		351.9669	351.9669	0.0218		352.5110
Worker	0.2093	0.1365	1.8773	5.5500e-003	0.5589	4.1400e-003	0.5630	0.1482	3.8100e-003	0.1520		553.4491	553.4491	0.0149		553.8221
Total	0.2458	1.3815	2.1796	8.8400e-003	0.6421	6.6800e-003	0.6488	0.1722	6.2400e-003	0.1784		905.4160	905.4160	0.0367		906.3331

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	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.8464	823.8464	0.2665		830.5076
Total	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.8464	823.8464	0.2665		830.5076

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	0.0366	1.2450	0.3023	3.2900e-003	0.0832	2.5400e-003	0.0857	0.0240	2.4300e-003	0.0264		351.9669	351.9669	0.0218		352.5110
Worker	0.2093	0.1365	1.8773	5.5500e-003	0.5589	4.1400e-003	0.5630	0.1482	3.8100e-003	0.1520		553.4491	553.4491	0.0149		553.8221
Total	0.2458	1.3815	2.1796	8.8400e-003	0.6421	6.6800e-003	0.6488	0.1722	6.2400e-003	0.1784		905.4160	905.4160	0.0367		906.3331

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4998	4.9336	6.2065	8.5100e-003		0.2851	0.2851		0.2623	0.2623		824.5241	824.5241	0.2667		831.1908

Total	0.4998	4.9336	6.2065	8.5100e-003		0.2851	0.2851		0.2623	0.2623		824.5241	824.5241	0.2667		831.1908
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0343	1.1825	0.2862	3.2600e-003	0.0832	2.2100e-003	0.0854	0.0240	2.1200e-003	0.0261		348.8813	348.8813	0.0210		349.4067
Worker	0.1963	0.1233	1.7361	5.3500e-003	0.5589	4.0200e-003	0.5629	0.1482	3.7000e-003	0.1519		533.6316	533.6316	0.0135		533.9687
Total	0.2306	1.3058	2.0223	8.6100e-003	0.6421	6.2300e-003	0.6483	0.1722	5.8200e-003	0.1780		882.5129	882.5129	0.0345		883.3754

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	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	824.5241	824.5241	0.2667		831.1908
Total	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	824.5241	824.5241	0.2667		831.1908

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	0.0343	1.1825	0.2862	3.2600e-003	0.0832	2.2100e-003	0.0854	0.0240	2.1200e-003	0.0261		348.8813	348.8813	0.0210		349.4067
Worker	0.1963	0.1233	1.7361	5.3500e-003	0.5589	4.0200e-003	0.5629	0.1482	3.7000e-003	0.1519		533.6316	533.6316	0.0135		533.9687
Total	0.2306	1.3058	2.0223	8.6100e-003	0.6421	6.2300e-003	0.6483	0.1722	5.8200e-003	0.1780		882.5129	882.5129	0.0345		883.3754

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.2964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	6.5009	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304	106.7263	106.7263	2.7000e-003	106.7937		
Total	0.0393	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304	106.7263	106.7263	2.7000e-003	106.7937		

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	6.2964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062
Total	6.8857	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7263	106.7263	2.7000e-003		106.7937
Total	0.0393	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7263	106.7263	2.7000e-003		106.7937

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9083	12.2011	12.8728	0.0113		0.7956	0.7956		0.7956	0.7956	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9083	12.2011	12.8728	0.0113		0.7956	0.7956		0.7956	0.7956	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7310	3.0169	8.8010	0.0335	2.8333	0.0234	2.8567	0.7580	0.0218	0.7797		3,411.8318	3,411.8318	0.1541		3,415.6849
Unmitigated	0.7310	3.0169	8.8010	0.0335	2.8333	0.0234	2.8567	0.7580	0.0218	0.7797		3,411.8318	3,411.8318	0.1541		3,415.6849

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	226.80	217.80	199.80	757,436	757,436
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	293.31	278.19	135.20	510,961	510,961
Total	520.11	495.99	335.00	1,268,397	1,268,397

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
Apartments Mid 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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Enclosed Parking with Elevator	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

Other Non-Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Strip Mall	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672
NaturalGas Unmitigated	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672

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					
Apartments Mid Rise	1321.27	0.0143	0.1218	0.0518	7.8000e-004		9.8400e-003	9.8400e-003		9.8400e-003	9.8400e-003		155.4431	155.4431	2.9800e-003	2.8500e-003	156.3668
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

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	32.9573	3.6000e-004	3.2300e-003	2.7100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.8773	3.8773	7.0000e-005	7.0000e-005	3.9004
Total		0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672

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	lb/day										lb/day					
Apartments Mid Rise	1.32127	0.0143	0.1218	0.0518	7.8000e-004		9.8400e-003	9.8400e-003	9.8400e-003	9.8400e-003	9.8400e-003		155.4431	155.4431	2.9800e-003	2.8500e-003	156.3668
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0329573	3.6000e-004	3.2300e-003	2.7100e-003	2.0000e-005		2.5000e-004	2.5000e-004	2.5000e-004	2.5000e-004	2.5000e-004		3.8773	3.8773	7.0000e-005	7.0000e-005	3.9004
Total		0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672

6.0 Area Detail

6.1 Mitigation Measures Area

- 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 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	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568
Unmitigated	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568

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	0.0794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0594	0.5076	0.2160	3.2400e-003		0.0410	0.0410		0.0410	0.0410	0.0000	648.0000	648.0000	0.0124	0.0119	651.8507
Landscaping	0.0907	0.0344	2.9837	1.6000e-004		0.0165	0.0165		0.0165	0.0165		5.3756	5.3756	5.2200e-003		5.5060
Total	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568

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	0.0794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0594	0.5076	0.2160	3.2400e-003		0.0410	0.0410		0.0410	0.0410	0.0000	648.0000	648.0000	0.0124	0.0119	651.8507
Landscaping	0.0907	0.0344	2.9837	1.6000e-004		0.0165	0.0165		0.0165	0.0165		5.3756	5.3756	5.2200e-003		5.5060
Total	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Proposed Winter

Mission Bell Mixed-Use (Proposed) - South Coast Air Basin, Winter

Mission Bell Mixed-Use (Proposed)
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	7.34	1000sqft	0.00	7,335.00	0
Apartments Mid Rise	36.00	Dwelling Unit	0.71	33,151.00	103
Other Non-Asphalt Surfaces	5.45	1000sqft	0.00	5,452.00	0
Enclosed Parking with Elevator	114.00	Space	0.00	45,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9	Operational Year	2023		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land use assumptions and size are from the latest site plan. Subterranean parking is built below the Project Site.

Construction Phase - Based on an 27-month construction schedule.

Architectural coating and paving to take place intermittently towards the tail end of building construction

Off-road Equipment - No cranes

Off-road Equipment - Grading phase will consist of 1 excavator and 1 bulldozer.

Grading - Approximately 23,700 cubic yards of soil to be hauled

tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstructionPhase	NumDays	5.00	46.00
tblConstructionPhase	NumDays	100.00	525.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	26.00
tblConstructionPhase	PhaseEndDate	6/19/2020	4/8/2022
tblConstructionPhase	PhaseEndDate	6/5/2020	4/8/2022
tblConstructionPhase	PhaseEndDate	1/14/2020	1/11/2020
tblConstructionPhase	PhaseEndDate	1/17/2020	4/4/2020
tblConstructionPhase	PhaseEndDate	6/12/2020	4/8/2022
tblConstructionPhase	PhaseStartDate	6/13/2020	2/4/2022
tblConstructionPhase	PhaseStartDate	1/18/2020	4/5/2020
tblConstructionPhase	PhaseStartDate	1/16/2020	1/12/2020
tblConstructionPhase	PhaseStartDate	6/6/2020	3/4/2022
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.80	0.00
tblGrading	MaterialExported	0.00	23,700.00
tblLandUse	LandUseSquareFeet	7,340.00	7,335.00
tblLandUse	LandUseSquareFeet	36,000.00	33,151.00
tblLandUse	LandUseSquareFeet	5,450.00	5,452.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	0.95	0.71
tblLandUse	LotAcreage	0.13	0.00
tblLandUse	LotAcreage	1.03	0.00
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblVehicleTrips	ST_TR	6.39	6.05

tblVehicleTrips	ST_TR	42.04	37.90
tblVehicleTrips	SU_TR	5.86	5.55
tblVehicleTrips	SU_TR	20.43	18.42
tblVehicleTrips	WD_TR	6.65	6.30
tblVehicleTrips	WD_TR	44.32	39.96
tblWoodstoves	NumberCatalytic	1.80	0.00
tblWoodstoves	NumberNoncatalytic	1.80	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.9606	17.7848	8.5467	0.0445	1.7159	0.4730	1.9477	0.6717	0.4512	0.8867	0.0000	4,746.1812	4,746.1812	0.5023	0.0000	4,758.7394
2021	0.8376	6.9522	8.3076	0.0169	0.6421	0.3559	0.9979	0.1722	0.3275	0.4997	0.0000	1,685.3079	1,685.3079	0.3037	0.0000	1,692.8996
2022	8.0220	13.6496	17.8203	0.0338	0.9550	0.6714	1.6265	0.2552	0.6278	0.8829	0.0000	3,261.8890	3,261.8890	0.6288	0.0000	3,277.6098
Maximum	8.0220	17.7848	17.8203	0.0445	1.7159	0.6714	1.9477	0.6717	0.6278	0.8867	0.0000	4,746.1812	4,746.1812	0.6288	0.0000	4,758.7394

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					
2020	2.5469	22.1727	15.9524	0.0445	1.2294	1.1291	1.7897	0.4152	1.1288	1.2531	0.0000	4,746.1812	4,746.1812	0.5023	0.0000	4,758.7394
2021	2.3359	12.7512	14.0199	0.0169	0.6421	0.9655	1.6076	0.1722	0.9651	1.1372	0.0000	1,685.3079	1,685.3079	0.3037	0.0000	1,692.8996
2022	11.2353	28.1894	31.0399	0.0338	0.9550	2.0363	2.9913	0.2552	2.0357	2.2908	0.0000	3,261.8890	3,261.8890	0.6288	0.0000	3,277.6098
Maximum	11.2353	28.1894	31.0399	0.0445	1.2294	2.0363	2.9913	0.4152	2.0357	2.2908	0.0000	4,746.1812	4,746.1812	0.6288	0.0000	4,758.7394

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-64.13	-64.41	-75.96	0.00	14.68	-175.35	-39.73	23.34	-193.63	-106.29	0.00	0.00	0.00	0.00	0.00	0.00

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	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568
Energy	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672
Mobile	0.6986	3.0683	8.3422	0.0317	2.8333	0.0235	2.8568	0.7580	0.0219	0.7798		3,236.8840	3,236.8840	0.1545		3,240.7470
Total	1.7624	3.7352	11.5964	0.0359	2.8333	0.0912	2.9244	0.7580	0.0895	0.8475	0.0000	4,049.5800	4,049.5800	0.1752	0.0148	4,058.3709

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	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568
Energy	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672
Mobile	0.6986	3.0683	8.3422	0.0317	2.8333	0.0235	2.8568	0.7580	0.0219	0.7798		3,236.8840	3,236.8840	0.1545		3,240.7470
Total	1.7624	3.7352	11.5964	0.0359	2.8333	0.0912	2.9244	0.7580	0.0895	0.8475	0.0000	4,049.5800	4,049.5800	0.1752	0.0148	4,058.3709

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/11/2020	5	8	
2	Grading	Grading	1/12/2020	4/4/2020	5	60	
3	Building Construction	Building Construction	4/5/2020	4/8/2022	5	525	
4	Architectural Coating	Architectural Coating	2/4/2022	4/8/2022	5	46	
5	Paving	Paving	3/4/2022	4/8/2022	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 67,131; Residential Outdoor: 22,377; Non-Residential Indoor: 11,003; Non-Residential Outdoor: 3,668; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	2,963.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	50.00	13.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	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

3.2 Demolition - 2020

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					1.1665	0.0000	1.1665	0.1766	0.0000	0.1766			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	1.1665	0.4672	1.6337	0.1766	0.4457	0.6223		1,147.2352	1,147.2352	0.2169		1,152.6578

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	0.0439	1.5172	0.3326	4.1000e-003	0.0939	4.9200e-003	0.0988	0.0257	4.7100e-003	0.0304		445.0568	445.0568	0.0333		445.8883
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	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	0.0932	1.5505	0.7022	5.1800e-003	0.2057	5.7700e-003	0.2114	0.0554	5.5000e-003	0.0609		552.3419	552.3419	0.0364		553.2507

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					0.4549	0.0000	0.4549	0.0689	0.0000	0.0689			0.0000			0.0000
Off-Road	2.4537	14.3217	15.2502	0.0120		1.1233	1.1233		1.1233	1.1233	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	2.4537	14.3217	15.2502	0.0120	0.4549	1.1233	1.5782	0.0689	1.1233	1.1922	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

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	0.0439	1.5172	0.3326	4.1000e-003	0.0939	4.9200e-003	0.0988	0.0257	4.7100e-003	0.0304		445.0568	445.0568	0.0333		445.8883
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	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	0.0932	1.5505	0.7022	5.1800e-003	0.2057	5.7700e-003	0.2114	0.0554	5.5000e-003	0.0609		552.3419	552.3419	0.0364		553.2507

3.3 Grading - 2020

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					0.7974	0.0000	0.7974	0.4205	0.0000	0.4205			0.0000			0.0000
Off-Road	0.3799	3.8292	3.7843	6.2300e-003		0.1862	0.1862		0.1713	0.1713		603.5362	603.5362	0.1952		608.4161
Total	0.3799	3.8292	3.7843	6.2300e-003	0.7974	0.1862	0.9837	0.4205	0.1713	0.5919		603.5362	603.5362	0.1952		608.4161

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	0.4033	13.9390	3.0558	0.0377	0.8625	0.0452	0.9077	0.2364	0.0432	0.2796		4,089.0024	4,089.0024	0.3056		4,096.6421
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	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	0.4280	13.9557	3.2406	0.0382	0.9184	0.0456	0.9640	0.2512	0.0436	0.2948		4,142.6449	4,142.6449	0.3071		4,150.3233

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					0.3110	0.0000	0.3110	0.1640	0.0000	0.1640			0.0000			0.0000
Off-Road	0.9511	8.2170	8.8095	6.2300e-003		0.3137	0.3137		0.3137	0.3137	0.0000	603.5362	603.5362	0.1952		608.4161
Total	0.9511	8.2170	8.8095	6.2300e-003	0.3110	0.3137	0.6247	0.1640	0.3137	0.4777	0.0000	603.5362	603.5362	0.1952		608.4161

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	0.4033	13.9390	3.0558	0.0377	0.8625	0.0452	0.9077	0.2364	0.0432	0.2796		4,089.0024	4,089.0024	0.3056		4,096.6421
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	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	0.4280	13.9557	3.2406	0.0382	0.9184	0.0456	0.9640	0.2512	0.0436	0.2948		4,142.6449	4,142.6449	0.3071		4,150.3233

3.4 Building Construction - 2020

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	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424
Total	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424

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	0.0451	1.3687	0.3690	3.2300e-003	0.0832	6.8800e-003	0.0901	0.0240	6.5800e-003	0.0305		344.9906	344.9906	0.0243		345.5971
Worker	0.2467	0.1665	1.8479	5.3800e-003	0.5589	4.2600e-003	0.5632	0.1482	3.9300e-003	0.1522		536.4256	536.4256	0.0154		536.8117
Total	0.2919	1.5352	2.2170	8.6100e-003	0.6421	0.0111	0.6532	0.1722	0.0105	0.1827		881.4163	881.4163	0.0397		882.4087

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	2.0669	11.3593	11.9845	8.5000e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.5833	823.5833	0.2664		830.2424
Total	2.0669	11.3593	11.9845	8.5000e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.5833	823.5833	0.2664		830.2424

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	0.0451	1.3687	0.3690	3.2300e-003	0.0832	6.8800e-003	0.0901	0.0240	6.5800e-003	0.0305		344.9906	344.9906	0.0243		345.5971
Worker	0.2467	0.1665	1.8479	5.3800e-003	0.5589	4.2600e-003	0.5632	0.1482	3.9300e-003	0.1522		536.4256	536.4256	0.0154		536.8117
Total	0.2919	1.5352	2.2170	8.6100e-003	0.6421	0.0111	0.6532	0.1722	0.0105	0.1827		881.4163	881.4163	0.0397		882.4087

3.4 Building Construction - 2021

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	0.5685	5.5603	6.2723	8.5100e-003		0.3491	0.3491		0.3212	0.3212		823.8464	823.8464	0.2665		830.5076
Total	0.5685	5.5603	6.2723	8.5100e-003		0.3491	0.3491		0.3212	0.3212		823.8464	823.8464	0.2665		830.5076

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	0.0384	1.2420	0.3360	3.2000e-003	0.0832	2.6200e-003	0.0858	0.0240	2.5100e-003	0.0265		342.3859	342.3859	0.0233		342.9674
Worker	0.2306	0.1499	1.6993	5.2100e-003	0.5589	4.1400e-003	0.5630	0.1482	3.8100e-003	0.1520		519.0756	519.0756	0.0140		519.4246
Total	0.2690	1.3919	2.0354	8.4100e-003	0.6421	6.7600e-003	0.6488	0.1722	6.3200e-003	0.1785		861.4615	861.4615	0.0372		862.3920

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	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.8464	823.8464	0.2665		830.5076
Total	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	823.8464	823.8464	0.2665		830.5076

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	0.0384	1.2420	0.3360	3.2000e-003	0.0832	2.6200e-003	0.0858	0.0240	2.5100e-003	0.0265		342.3859	342.3859	0.0233		342.9674
Worker	0.2306	0.1499	1.6993	5.2100e-003	0.5589	4.1400e-003	0.5630	0.1482	3.8100e-003	0.1520		519.0756	519.0756	0.0140		519.4246
Total	0.2690	1.3919	2.0354	8.4100e-003	0.6421	6.7600e-003	0.6488	0.1722	6.3200e-003	0.1785		861.4615	861.4615	0.0372		862.3920

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4998	4.9336	6.2065	8.5100e-003		0.2851	0.2851		0.2623	0.2623		824.5241	824.5241	0.2667		831.1908

Total	0.4998	4.9336	6.2065	8.5100e-003		0.2851	0.2851		0.2623	0.2623		824.5241	824.5241	0.2667		831.1908
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0361	1.1789	0.3183	3.1700e-003	0.0832	2.2800e-003	0.0855	0.0240	2.1800e-003	0.0261		339.3287	339.3287	0.0224		339.8898
Worker	0.2169	0.1354	1.5687	5.0200e-003	0.5589	4.0200e-003	0.5629	0.1482	3.7000e-003	0.1519		500.4894	500.4894	0.0126		500.8047
Total	0.2529	1.3143	1.8870	8.1900e-003	0.6421	6.3000e-003	0.6484	0.1722	5.8800e-003	0.1781		839.8182	839.8182	0.0351		840.6945

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	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	824.5241	824.5241	0.2667		831.1908
Total	2.0669	11.3593	11.9845	8.5100e-003		0.9588	0.9588		0.9588	0.9588	0.0000	824.5241	824.5241	0.2667		831.1908

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	0.0361	1.1789	0.3183	3.1700e-003	0.0832	2.2800e-003	0.0855	0.0240	2.1800e-003	0.0261		339.3287	339.3287	0.0224		339.8898
Worker	0.2169	0.1354	1.5687	5.0200e-003	0.5589	4.0200e-003	0.5629	0.1482	3.7000e-003	0.1519		500.4894	500.4894	0.0126		500.8047
Total	0.2529	1.3143	1.8870	8.1900e-003	0.6421	6.3000e-003	0.6484	0.1722	5.8800e-003	0.1781		839.8182	839.8182	0.0351		840.6945

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.2964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	6.5009	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304	100.0979	100.0979	2.5200e-003	100.1609		
Total	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304	100.0979	100.0979	2.5200e-003	100.1609		

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	6.2964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062
Total	6.8857	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		100.0979	100.0979	2.5200e-003		100.1609
Total	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		100.0979	100.0979	2.5200e-003		100.1609

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0781	0.0487	0.5647	1.8100e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		180.1762	180.1762	4.5400e-003		180.2897
Total	0.0781	0.0487	0.5647	1.8100e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		180.1762	180.1762	4.5400e-003		180.2897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9083	12.2011	12.8728	0.0113		0.7956	0.7956		0.7956	0.7956	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9083	12.2011	12.8728	0.0113		0.7956	0.7956		0.7956	0.7956	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0781	0.0487	0.5647	1.8100e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		180.1762	180.1762	4.5400e-003		180.2897
Total	0.0781	0.0487	0.5647	1.8100e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		180.1762	180.1762	4.5400e-003		180.2897

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6986	3.0683	8.3422	0.0317	2.8333	0.0235	2.8568	0.7580	0.0219	0.7798		3,236.8840	3,236.8840	0.1545		3,240.7470
Unmitigated	0.6986	3.0683	8.3422	0.0317	2.8333	0.0235	2.8568	0.7580	0.0219	0.7798		3,236.8840	3,236.8840	0.1545		3,240.7470

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	226.80	217.80	199.80	757,436	757,436
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	293.31	278.19	135.20	510,961	510,961
Total	520.11	495.99	335.00	1,268,397	1,268,397

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
Apartments Mid 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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Enclosed Parking with Elevator	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

Other Non-Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Strip Mall	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672
NaturalGas Unmitigated	0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672

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					
Apartments Mid Rise	1321.27	0.0143	0.1218	0.0518	7.8000e-004		9.8400e-003	9.8400e-003		9.8400e-003	9.8400e-003		155.4431	155.4431	2.9800e-003	2.8500e-003	156.3668
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

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	32.9573	3.6000e-004	3.2300e-003	2.7100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.8773	3.8773	7.0000e-005	7.0000e-005	3.9004
Total		0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672

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	lb/day										lb/day					
Apartments Mid Rise	1.32127	0.0143	0.1218	0.0518	7.8000e-004		9.8400e-003	9.8400e-003		9.8400e-003	9.8400e-003		155.4431	155.4431	2.9800e-003	2.8500e-003	156.3668
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0329573	3.6000e-004	3.2300e-003	2.7100e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.8773	3.8773	7.0000e-005	7.0000e-005	3.9004
Total		0.0146	0.1250	0.0545	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.3204	159.3204	3.0500e-003	2.9200e-003	160.2672

6.0 Area Detail

6.1 Mitigation Measures Area

- 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 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	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568
Unmitigated	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568

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	0.0794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0594	0.5076	0.2160	3.2400e-003		0.0410	0.0410		0.0410	0.0410	0.0000	648.0000	648.0000	0.0124	0.0119	651.8507
Landscaping	0.0907	0.0344	2.9837	1.6000e-004		0.0165	0.0165		0.0165	0.0165		5.3756	5.3756	5.2200e-003		5.5060
Total	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568

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	0.0794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0594	0.5076	0.2160	3.2400e-003		0.0410	0.0410		0.0410	0.0410	0.0000	648.0000	648.0000	0.0124	0.0119	651.8507
Landscaping	0.0907	0.0344	2.9837	1.6000e-004		0.0165	0.0165		0.0165	0.0165		5.3756	5.3756	5.2200e-003		5.5060
Total	1.0492	0.5420	3.1997	3.4000e-003		0.0575	0.0575		0.0575	0.0575	0.0000	653.3756	653.3756	0.0176	0.0119	657.3568

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
