

Appendix B

Air Quality Calculations

Air Quality Data

Existing Project Site

676 Mateo - Existing - Los Angeles-South Coast County, Winter

676 Mateo - Existing
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.74	1000sqft	1.03	26,740.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2018

Utility Company Los Angeles Department of Water & Power

CO2 Intensity (lb/MW/hr)	1227.89	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site is 1.03 acres.

Construction Phase - Existing only.

Vehicle Trips - Per traffic study.

Energy Use -

Area Mitigation -

676 Mateo - Existing - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	12/10/2018	11/12/2018
tblLandUse	LotAcreage	0.61	1.03
tblVehicleTrips	WD_TR	6.97	6.25

2.0 Emissions Summary

Unmitigated Construction

[illegible][illegible]

676 Mateo - Existing - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Energy	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108	0.0108	0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Mobile	0.4713	2.3495	6.9222	0.0202	1.5727	0.0250	1.5977	0.4210	0.0235	0.4445		2,045.9740	2,045.9740	0.1254		2,049.1084
Total	1.0846	2.4917	7.0444	0.0210	1.5727	0.0358	1.6085	0.4210	0.0343	0.4553		2,216.6331	2,216.6331	0.1287	3.1300e-003	2,220.7821

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	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Energy	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108	0.0108	0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Mobile	0.4713	2.3495	6.9222	0.0202	1.5727	0.0250	1.5977	0.4210	0.0235	0.4445		2,045.9740	2,045.9740	0.1254		2,049.1084
Total	1.0846	2.4917	7.0444	0.0210	1.5727	0.0358	1.6085	0.4210	0.0343	0.4553		2,216.6331	2,216.6331	0.1287	3.1300e-003	2,220.7821

676 Mateo - Existing - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	11/13/2018	11/12/2018	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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Unmitigated Construction On-Site

[illegible]

676 Mateo - Existing - Los Angeles-South Coast County, Winter

3.2 Demolition - 2018**Mitigated Construction On-Site**

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

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

676 Mateo - Existing - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4713	2.3495	6.9222	0.0202	1.5727	0.0250	1.5977	0.4210	0.0235	0.4445		2,045,974	2,045,974	0.1254		2,049,108
Unmitigated	0.4713	2.3495	6.9222	0.0202	1.5727	0.0250	1.5977	0.4210	0.0235	0.4445		2,045,974	2,045,974	0.1254		2,049,108

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
General Light Industry	166.99	35.30	18.18	562,035		562,035	
Total	166.99	35.30	18.18	562,035		562,035	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944

676 Mateo - Existing - Los Angeles-South Coast County, Winter

5.0 Energy Detail

Historical Energy Use: Y

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	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
NaturalGas Unmitigated	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675

676 Mateo - Existing - Los Angeles-South Coast County, Winter

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

Land Use	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
	kBTU/yr	lb/day										lb/day					
General Light Industry	1450.55	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Total		0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675

Mitigated

Land Use	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
	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45055	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Total		0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675

6.0 Area Detail**6.1 Mitigation Measures Area**

676 Mateo - Existing - Los Angeles-South Coast County, Winter

No Hearths Installed

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Unmitigated	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Architectural Coating	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Total	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003

676 Mateo - Existing - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Architectural Coating	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Total	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003

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

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

676 Mateo - Existing - Los Angeles-South Coast County, Winter

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

676 Mateo - Existing - Los Angeles-South Coast County, Summer

676 Mateo - Existing
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.74	1000sqft	1.03	26,740.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2018

Utility Company Los Angeles Department of Water & Power

CO2 Intensity (lb/MW/hr)	1227.89	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site is 1.03 acres.

Construction Phase - Existing only.

Vehicle Trips - Per traffic study.

Energy Use -

Area Mitigation -

676 Mateo - Existing - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	12/10/2018	11/12/2018
tblLandUse	LotAcreage	0.61	1.03
tblVehicleTrips	WD_TR	6.97	6.25

2.0 Emissions Summary

676 Mateo - Existing - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5976	3.000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Energy	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108	0.0108	0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Mobile	0.4821	2.2660	7.3350	0.0212	1.5727	0.0248	1.5976	0.4210	0.0234	0.4444		2,150.519 2	2,150.519 2	0.1269		2,153.691 6
Total	1.0953	2.4082	7.4573	0.0221	1.5727	0.0357	1.6084	0.4210	0.0342	0.4552		2,321.178 4	2,321.178 4	0.1302	3.1300e-003	2,325.365 3

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	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Energy	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108	0.0108	0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Mobile	0.4821	2.2660	7.3350	0.0212	1.5727	0.0248	1.5976	0.4210	0.0234	0.4444		2,150.519 2	2,150.519 2	0.1269		2,153.691 6
Total	1.0953	2.4082	7.4573	0.0221	1.5727	0.0357	1.6084	0.4210	0.0342	0.4552		2,321.178 4	2,321.178 4	0.1302	3.1300e-003	2,325.365 3

676 Mateo - Existing - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	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	11/13/2018	11/12/2018	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 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

676 Mateo - Existing - Los Angeles-South Coast County, Summer

3.2 Demolition - 2018**Mitigated Construction On-Site**

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

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

676 Mateo - Existing - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4821	2.2660	7.3350	0.0212	1.5727	0.0248	1.5976	0.4210	0.0234	0.4444	2,150.519	2	2,150.519	0.1269		2,153.691
Unmitigated	0.4821	2.2660	7.3350	0.0212	1.5727	0.0248	1.5976	0.4210	0.0234	0.4444	2,150.519	2	2,150.519	0.1269		2,153.691

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday		
Land Use				Annual VMT	Annual VMT
General Light Industry	166.99	35.30	18.18	562,035	562,035
Total	166.99	35.30	18.18	562,035	562,035

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944

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5.0 Energy Detail

Historical Energy Use: Y

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	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
NaturalGas Unmitigated	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675

676 Mateo - Existing - Los Angeles-South Coast County, Summer

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

Land Use	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
	kBTU/yr																
General Light Industry	1450.55	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Total		0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675

Mitigated

Land Use	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
	kBTU/yr																
General Light Industry	1.45055	0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675
Total		0.0156	0.1422	0.1195	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.6533	170.6533	3.2700e-003	3.1300e-003	171.6675

6.0 Area Detail**6.1 Mitigation Measures Area**

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No Hearths Installed

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Unmitigated	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Architectural Coating	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Total	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003

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6.2 Area by SubCategory**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Architectural Coating	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003
Total	0.5976	3.0000e-005	2.7700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8500e-003	5.8500e-003	2.0000e-005		6.2500e-003

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

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

676 Mateo - Existing - Los Angeles-South Coast County, Summer

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

676 Mateo St - Los Angeles-South Coast County, Summer

676 Mateo St
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.90	1000sqft	0.00	3,900.00	0
Enclosed Parking with Elevator	270.00	Space	1.03	109,600.00	0
High Turnover (Sit Down Restaurant)	15.01	1000sqft	0.00	15,005.00	0
Apartments Mid Rise	185.00	Dwelling Unit	0.00	170,075.00	448
Regional Shopping Center	8.38	1000sqft	0.00	8,375.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

676 Mateo St - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - Site is 1.03 acres. Shopping ctr, restaurant, office and apts all built on top of parking levels. Project footprint is 1.03 ac. 448 residents in 185 DUs.

Construction Phase - Demo starts 2021, build out in 2023. No paving or site prep.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added an excavator to grading phase. No grader needed. Increased tractor/loader/backhoes to 2.

Off-road Equipment -

Trips and VMT - Hauling distance of 30 miles to Sunshine Canyon.

Demolition - Demo of 26,740 SF of warehouse building and 18,060 SF of parking paving = 44,800 SF.

Grading - Export of 74,500 CY material. Area disturbed = 1.03 ac

Architectural Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Vehicle Trips - Weekday trip generation rates per TIA (include TDM and pass-by rdxns). Weekend trip rates from 10th Ed ITE and include same rdxns as weekday. Pass-by trip% for restaurant and shopping ctr divided and added to primary and diverted trip%s.

Woodstoves - No wood-burning appliances.

Area Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Sequestration - At least 46 new trees to be planted on-site

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Project located in DTLA. 185 DU/1.03 ac=179.61 DU/AC. ~82 jobs gen. by project, 82/0.626 ac (27,280 SF) = 131 jobs/jb ac.

Mixed use prjct. 0.05 mi to Metro stop @ 7th & Mateo. 11% of DUs v. low income. 39% rdxn in parking spces

Energy Mitigation - Install high efficiency lighting and energy efficient appliances.

Water Mitigation - 20% rdx in indoor water use per Cal Green requirements. Water efficient irrigation/landscaping installed on-site.

Waste Mitigation - 75% diversion in waste per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50

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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	200.00	435.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	4.00	66.00
tblFireplaces	NumberGas	157.25	166.50
tblFireplaces	NumberWood	9.25	0.00
tblGrading	AcresOfGrading	0.00	1.03
tblGrading	MaterialExported	0.00	74,500.00
tblLandUse	LandUseSquareFeet	108,000.00	109,600.00
tblLandUse	LandUseSquareFeet	15,010.00	15,005.00
tblLandUse	LandUseSquareFeet	185,000.00	170,075.00
tblLandUse	LandUseSquareFeet	8,380.00	8,375.00
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	2.43	1.03
tblLandUse	LotAcreage	0.34	0.00
tblLandUse	LotAcreage	4.87	0.00
tblLandUse	LotAcreage	0.19	0.00
tblLandUse	Population	529.00	448.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblSequestration	NumberOfNewTrees	0.00	46.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripNumber	9,313.00	9,312.00
tblVehicleTrips	DV_TP	20.00	41.00

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tblVehicleTrips	DV_TP	35.00	40.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	37.00	59.00
tblVehicleTrips	PR_TP	54.00	60.00
tblVehicleTrips	ST_TR	6.39	5.86
tblVehicleTrips	ST_TR	2.46	1.98
tblVehicleTrips	ST_TR	158.37	70.55
tblVehicleTrips	ST_TR	49.97	16.49
tblVehicleTrips	SU_TR	5.86	4.52
tblVehicleTrips	SU_TR	1.05	0.63
tblVehicleTrips	SU_TR	131.84	82.22
tblVehicleTrips	SU_TR	25.24	7.55
tblVehicleTrips	WD_TR	6.65	5.27
tblVehicleTrips	WD_TR	11.03	8.72
tblVehicleTrips	WD_TR	127.15	64.65
tblVehicleTrips	WD_TR	42.70	13.49
tblWoodstoves	NumberCatalytic	9.25	0.00
tblWoodstoves	NumberNoncatalytic	9.25	0.00

2.0 Emissions Summary

676 Mateo St - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.0089	63.6555	22.7512	0.1752	8.4716	1.0539	9.3306	3.5473	0.9839	4.3438	0.0000	18,806.0670	18,806.0670	1.6218	0.0000	18,846.6118
2022	30.6373	18.3936	23.9840	0.0608	2.8062	0.6977	3.5040	0.7503	0.6758	1.4262	0.0000	5,921.5086	5,921.5086	0.5014	0.0000	5,934.0447
2023	30.4126	16.5023	23.1013	0.0595	2.8062	0.6080	3.4142	0.7503	0.5887	1.3390	0.0000	5,794.4011	5,794.4011	0.4770	0.0000	5,806.3267
Maximum	30.6373	63.6555	23.9840	0.1752	8.4716	1.0539	9.3306	3.5473	0.9839	4.3438	0.0000	18,806.0670	18,806.0670	1.6218	0.0000	18,846.6118

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					
2021	3.0089	63.6555	22.7512	0.1752	5.6285	1.0539	6.4875	2.0200	0.9839	2.8165	0.0000	18,806.0670	18,806.0670	1.6218	0.0000	18,846.6118
2022	30.6373	18.3936	23.9840	0.0608	2.8062	0.6977	3.5040	0.7503	0.6758	1.4262	0.0000	5,921.5086	5,921.5086	0.5014	0.0000	5,934.0447
2023	30.4126	16.5023	23.1013	0.0595	2.8062	0.6080	3.4142	0.7503	0.5887	1.3390	0.0000	5,794.4011	5,794.4011	0.4770	0.0000	5,806.3267
Maximum	30.6373	63.6555	23.9840	0.1752	5.6285	1.0539	6.4875	2.0200	0.9839	2.8165	0.0000	18,806.0670	18,806.0670	1.6218	0.0000	18,846.6118

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	20.19	0.00	17.50	30.26	0.00	21.48	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471
Energy	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136
Mobile	3.7542	15.2696	47.4022	0.1762	14.6450	0.1297	14.7747	3.9191	0.1206	4.0397		17,955.1198	17,955.1198	0.8685		17,976.8332
Total	8.9851	19.6653	64.8857	0.2036	14.6450	0.5508	15.1958	3.9191	0.5417	4.4608	0.0000	23,296.7367	23,296.7367	0.9970	0.0974	23,350.6939

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	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471
Energy	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136
Mobile	3.2299	12.6807	33.5254	0.1185	9.5193	0.0891	9.6084	2.5474	0.0828	2.6302		12,085.5173	12,085.5173	0.6118		12,100.8112
Total	8.4608	17.0763	51.0089	0.1459	9.5193	0.5103	10.0295	2.5474	0.5040	3.0514	0.0000	17,427.1341	17,427.1341	0.7402	0.0974	17,474.6719

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.83	13.17	21.39	28.35	35.00	7.36	34.00	35.00	6.97	31.60	0.00	25.19	25.19	25.75	0.00	25.16

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	1/1/2021	1/29/2021	5	21	
2	Grading	Grading	1/30/2021	5/3/2021	5	66	
3	Building Construction	Building Construction	5/4/2021	1/2/2023	5	435	
4	Architectural Coating	Architectural Coating	11/2/2022	1/2/2023	5	44	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 1.03****Acres of Paving: 1.03****Residential Indoor: 344,402; Residential Outdoor: 114,801; Non-Residential Indoor: 40,920; Non-Residential Outdoor: 13,640; Striped Parking Area: 6,576 (Architectural Coating – sqft)****OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	1	7.00	158	0.38
Grading	Graders	0	0.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	204.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	9,312.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	189.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	38.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Demolition - 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					
Fugitive Dust					2.1000	0.0000	2.1000	0.3180	0.0000	0.3180			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	2.1000	1.0409	3.1409	0.3180	0.9715	1.2894		2,322.717 1	2,322.717 1	0.5940		2,337.565 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1138	3.4560	0.8608	0.0109	0.2547	0.0118	0.2665	0.0698	0.0113	0.0811		1,177.868 2	1,177.868 2	0.0761		1,179.771 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	0.1695	3.4943	1.3844	0.0123	0.4000	0.0130	0.4130	0.1083	0.0124	0.1207		1,325.908 2	1,325.908 2	0.0805		1,327.920 9

676 Mateo St - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**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					0.8190	0.0000	0.8190	0.1240	0.0000	0.1240			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	0.8190	1.0409	1.8599	0.1240	0.9715	1.0955	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8

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	0.1138	3.4560	0.8608	0.0109	0.2547	0.0118	0.2665	0.0698	0.0113	0.0811		1,177.868 2	1,177.868 2	0.0761		1,179.771 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	0.1695	3.4943	1.3844	0.0123	0.4000	0.0130	0.4130	0.1083	0.0124	0.1207		1,325.908 2	1,325.908 2	0.0805		1,327.920 9

676 Mateo St - Los Angeles-South Coast County, Summer

3.3 Grading - 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					
Fugitive Dust					4.6608	0.0000	4.6608	2.5038	0.0000	2.5038			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314		1,584.7573	1,584.7573	0.5125		1,597.5708
Total	1.3130	13.4304	9.8466	0.0164	4.6608	0.6863	5.3471	2.5038	0.6314	3.1352		1,584.7573	1,584.7573	0.5125		1,597.5708

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	1.6530	50.1957	12.5018	0.1577	3.6990	0.1717	3.8708	1.0138	0.1643	1.1781		17,107.4328	17,107.4328	1.1059		17,135.0801
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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	1.6958	50.2252	12.9046	0.1588	3.8108	0.1726	3.9835	1.0435	0.1651	1.2086		17,221.3098	17,221.3098	1.1093		17,249.0410

676 Mateo St - Los Angeles-South Coast County, Summer

3.3 Grading - 2021**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					1.8177	0.0000	1.8177	0.9765	0.0000	0.9765			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8
Total	1.3130	13.4304	9.8466	0.0164	1.8177	0.6863	2.5040	0.9765	0.6314	1.6079	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8

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	1.6530	50.1957	12.5018	0.1577	3.6990	0.1717	3.8708	1.0138	0.1643	1.1781		17,107.43 28	17,107.43 28	1.1059		17,135.08 01
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	0.0429	0.0295	0.4028	1.1400e- 003	0.1118	9.0000e- 004	0.1127	0.0296	8.3000e- 004	0.0305		113.8770	113.8770	3.3600e- 003		113.9609
Total	1.6958	50.2252	12.9046	0.1588	3.8108	0.1726	3.9835	1.0435	0.1651	1.2086		17,221.30 98	17,221.30 98	1.1093		17,249.04 10

676 Mateo St - Los Angeles-South Coast County, Summer

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1277	4.0778	1.0660	0.0108	0.2689	8.3400e-003	0.2772	0.0774	7.9700e-003	0.0854		1,154.4987	1,154.4987	0.0680		1,156.1990
Worker	0.8102	0.5569	7.6124	0.0216	2.1126	0.0171	2.1296	0.5603	0.0157	0.5760		2,152.2750	2,152.2750	0.0634		2,153.8604
Total	0.9378	4.6346	8.6785	0.0324	2.3815	0.0254	2.4069	0.6377	0.0237	0.6614		3,306.7737	3,306.7737	0.1314		3,310.0595

676 Mateo St - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021**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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1277	4.0778	1.0660	0.0108	0.2689	8.3400e-003	0.2772	0.0774	7.9700e-003	0.0854		1,154.4987	1,154.4987	0.0680		1,156.1990
Worker	0.8102	0.5569	7.6124	0.0216	2.1126	0.0171	2.1296	0.5603	0.0157	0.5760		2,152.2750	2,152.2750	0.0634		2,153.8604
Total	0.9378	4.6346	8.6785	0.0324	2.3815	0.0254	2.4069	0.6377	0.0237	0.6614		3,306.7737	3,306.7737	0.1314		3,310.0595

676 Mateo St - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1198	3.8779	1.0086	0.0107	0.2689	7.2900e-003	0.2762	0.0774	6.9700e-003	0.0844		1,144.4407	1,144.4407	0.0657		1,146.0826
Worker	0.7589	0.5030	7.0233	0.0208	2.1126	0.0165	2.1291	0.5603	0.0152	0.5755		2,076.5663	2,076.5663	0.0573		2,077.9991
Total	0.8787	4.3809	8.0319	0.0315	2.3815	0.0238	2.4053	0.6377	0.0222	0.6599		3,221.0070	3,221.0070	0.1230		3,224.0817

676 Mateo St - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1198	3.8779	1.0086	0.0107	0.2689	7.2900e-003	0.2762	0.0774	6.9700e-003	0.0844		1,144.4407	1,144.4407	0.0657		1,146.0826
Worker	0.7589	0.5030	7.0233	0.0208	2.1126	0.0165	2.1291	0.5603	0.0152	0.5755		2,076.5663	2,076.5663	0.0573		2,077.9991
Total	0.8787	4.3809	8.0319	0.0315	2.3815	0.0238	2.4053	0.6377	0.0222	0.6599		3,221.0070	3,221.0070	0.1230		3,224.0817

676 Mateo St - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0889	2.9424	0.9109	0.0104	0.2689	3.4000e-003	0.2723	0.0774	3.2500e-003	0.0807		1,108.4112	1,108.4112	0.0582		1,109.8662
Worker	0.7126	0.4551	6.4678	0.0201	2.1126	0.0161	2.1286	0.5603	0.0148	0.5751		2,000.5310	2,000.5310	0.0517		2,001.8229
Total	0.8015	3.3975	7.3787	0.0304	2.3815	0.0195	2.4009	0.6377	0.0180	0.6557		3,108.9422	3,108.9422	0.1099		3,111.6890

676 Mateo St - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0889	2.9424	0.9109	0.0104	0.2689	3.4000e-003	0.2723	0.0774	3.2500e-003	0.0807		1,108.4112	1,108.4112	0.0582		1,109.8662
Worker	0.7126	0.4551	6.4678	0.0201	2.1126	0.0161	2.1286	0.5603	0.0148	0.5751		2,000.5310	2,000.5310	0.0517		2,001.8229
Total	0.8015	3.3975	7.3787	0.0304	2.3815	0.0195	2.4009	0.6377	0.0180	0.6557		3,108.9422	3,108.9422	0.1099		3,111.6890

676 Mateo St - Los Angeles-South Coast County, Summer

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	27.7529					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	27.9574	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
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	0.1526	0.1011	1.4121	4.1900e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		417.5107	417.5107	0.0115		417.7988
Total	0.1526	0.1011	1.4121	4.1900e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		417.5107	417.5107	0.0115		417.7988

676 Mateo St - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.7529					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	0.0000	281.4481	281.4481	0.0183		281.9062
Total	27.9574	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	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	0.1526	0.1011	1.4121	4.1900e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		417.5107	417.5107	0.0115		417.7988
Total	0.1526	0.1011	1.4121	4.1900e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		417.5107	417.5107	0.0115		417.7988

676 Mateo St - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.7529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	27.9445	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.1433	0.0915	1.3004	4.0400e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		402.2232	402.2232	0.0104		402.4829
Total	0.1433	0.0915	1.3004	4.0400e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		402.2232	402.2232	0.0104		402.4829

676 Mateo St - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.7529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	27.9445	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.1433	0.0915	1.3004	4.0400e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		402.2232	402.2232	0.0104		402.4829
Total	0.1433	0.0915	1.3004	4.0400e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		402.2232	402.2232	0.0104		402.4829

4.0 Operational Detail - Mobile

676 Mateo St - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Integrate Below Market Rate Housing

Limit Parking Supply

Unbundle Parking Cost

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2299	12.6807	33.5254	0.1185	9.5193	0.0891	9.6084	2.5474	0.0828	2.6302		12,085.5173	12,085.5173	0.6118		12,100.8112
Unmitigated	3.7542	15.2696	47.4022	0.1762	14.6450	0.1297	14.7747	3.9191	0.1206	4.0397		17,955.1198	17,955.1198	0.8685		17,976.8332

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	974.95	1,084.47	836.20	3,315,276	2,154,929
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	34.00	7.72	2.44	82,913	53,894
High Turnover (Sit Down Restaurant)	970.32	1,058.96	1234.12	2,267,152	1,473,649
Regional Shopping Center	113.07	138.19	63.27	263,813	171,478
Total	2,092.34	2,289.33	2,136.03	5,929,154	3,853,950

676 Mateo St - Los Angeles-South Coast County, Summer

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	40.00	19.00	41.00	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	59	41	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	60	40	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
High Turnover (Sit Down Restaurant)	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Regional Shopping Center	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

676 Mateo St - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136
NaturalGas Unmitigated	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136

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	5564.28	0.0600	0.5128	0.2182	3.2700e-003		0.0415	0.0415		0.0415	0.0415		654.6215	654.6215	0.0126	0.0120	658.5116
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
General Office Building	111.23	1.2000e-003	0.0109	9.1600e-003	7.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004		13.0859	13.0859	2.5000e-004	2.4000e-004	13.1637
High Turnover (Sit Down Restaurant)	9486.45	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	37.6301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136

676 Mateo St - Los Angeles-South Coast County, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.56428	0.0600	0.5128	0.2182	3.2700e-003		0.0415	0.0415		0.0415	0.0415		654.6215	654.6215	0.0126	0.0120	658.5116
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
General Office Building	0.11123	1.2000e-003	0.0109	9.1600e-003	7.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004		13.0859	13.0859	2.5000e-004	2.4000e-004	13.1637
High Turnover (Sit Down Restaurant)	9.48645	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	0.0376301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136

6.0 Area Detail**6.1 Mitigation Measures Area**

676 Mateo St - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471
Unmitigated	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471

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	0.3346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3232	2.7619	1.1753	0.0176		0.2233	0.2233		0.2233	0.2233	0.0000	3,525.8824	3,525.8824	0.0676	0.0646	3,546.8349
Landscaping	0.4627	0.1763	15.2965	8.1000e-004		0.0846	0.0846		0.0846	0.0846		27.5472	27.5472	0.0266		28.2122
Total	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471

676 Mateo St - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3232	2.7619	1.1753	0.0176		0.2233	0.2233		0.2233	0.2233	0.0000	3,525.882 4	3,525.882 4	0.0676	0.0646	3,546.834 9
Landscaping	0.4627	0.1763	15.2965	8.1000e-004		0.0846	0.0846		0.0846	0.0846		27.5472	27.5472	0.0266		28.2122
Total	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.429 6	3,553.429 6	0.0942	0.0646	3,575.047 1

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

676 Mateo St - Los Angeles-South Coast County, Summer

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

676 Mateo St - Los Angeles-South Coast County, Winter

676 Mateo St
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.90	1000sqft	0.00	3,900.00	0
Enclosed Parking with Elevator	270.00	Space	1.03	109,600.00	0
High Turnover (Sit Down Restaurant)	15.01	1000sqft	0.00	15,005.00	0
Apartments Mid Rise	185.00	Dwelling Unit	0.00	170,075.00	448
Regional Shopping Center	8.38	1000sqft	0.00	8,375.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

676 Mateo St - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - Site is 1.03 acres. Shopping ctr, restaurant, office and apts all built on top of parking levels. Project footprint is 1.03 ac. 448 residents in 185 DUs.

Construction Phase - Demo starts 2021, build out in 2023. No paving or site prep.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added an excavator to grading phase. No grader needed. Increased tractor/loader/backhoes to 2.

Off-road Equipment -

Trips and VMT - Hauling distance of 30 miles to Sunshine Canyon.

Demolition - Demo of 26,740 SF of warehouse building and 18,060 SF of parking paving = 44,800 SF.

Grading - Export of 74,500 CY material. Area disturbed = 1.03 ac

Architectural Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Vehicle Trips - Weekday trip generation rates per TIA (include TDM and pass-by rdxns). Weekend trip rates from 10th Ed ITE and include same rdxns as weekday. Pass-by trip% for restaurant and shopping ctr divided and added to primary and diverted trip%s.

Woodstoves - No wood-burning appliances.

Area Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Sequestration - At least 46 new trees to be planted on-site

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Project located in DTLA. 185 DU/1.03 ac=179.61 DU/AC. ~82 jobs gen. by project, 82/0.626 ac (27,280 SF) = 131 jobs/jb ac.

Mixed use prjct. 0.05 mi to Metro stop @ 7th & Mateo. 11% of DUs v. low income. 39% rdxn in parking spces

Energy Mitigation - Install high efficiency lighting and energy efficient appliances.

Water Mitigation - 20% rdx in indoor water use per Cal Green requirements. Water efficient irrigation/landscaping installed on-site.

Waste Mitigation - 75% diversion in waste per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50

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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	200.00	435.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	4.00	66.00
tblFireplaces	NumberGas	157.25	166.50
tblFireplaces	NumberWood	9.25	0.00
tblGrading	AcresOfGrading	0.00	1.03
tblGrading	MaterialExported	0.00	74,500.00
tblLandUse	LandUseSquareFeet	108,000.00	109,600.00
tblLandUse	LandUseSquareFeet	15,010.00	15,005.00
tblLandUse	LandUseSquareFeet	185,000.00	170,075.00
tblLandUse	LandUseSquareFeet	8,380.00	8,375.00
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	2.43	1.03
tblLandUse	LotAcreage	0.34	0.00
tblLandUse	LotAcreage	4.87	0.00
tblLandUse	LotAcreage	0.19	0.00
tblLandUse	Population	529.00	448.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblSequestration	NumberOfNewTrees	0.00	46.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripNumber	9,313.00	9,312.00
tblVehicleTrips	DV_TP	20.00	41.00

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tblVehicleTrips	DV_TP	35.00	40.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	37.00	59.00
tblVehicleTrips	PR_TP	54.00	60.00
tblVehicleTrips	ST_TR	6.39	5.86
tblVehicleTrips	ST_TR	2.46	1.98
tblVehicleTrips	ST_TR	158.37	70.55
tblVehicleTrips	ST_TR	49.97	16.49
tblVehicleTrips	SU_TR	5.86	4.52
tblVehicleTrips	SU_TR	1.05	0.63
tblVehicleTrips	SU_TR	131.84	82.22
tblVehicleTrips	SU_TR	25.24	7.55
tblVehicleTrips	WD_TR	6.65	5.27
tblVehicleTrips	WD_TR	11.03	8.72
tblVehicleTrips	WD_TR	127.15	64.65
tblVehicleTrips	WD_TR	42.70	13.49
tblWoodstoves	NumberCatalytic	9.25	0.00
tblWoodstoves	NumberNoncatalytic	9.25	0.00

2.0 Emissions Summary

676 Mateo St - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.0418	64.6053	23.2267	0.1732	8.4716	1.0540	9.3323	3.5473	0.9840	4.3455	0.0000	18,592.531 1	18,592.531 1	1.6500	0.0000	18,633.78 16
2022	30.7485	18.4475	23.3556	0.0590	2.8062	0.6980	3.5042	0.7503	0.6761	1.4264	0.0000	5,744.338 7	5,744.338 7	0.5015	0.0000	5,756.877 2
2023	30.5190	16.5471	22.4912	0.0578	2.8062	0.6082	3.4144	0.7503	0.5888	1.3392	0.0000	5,624.104 9	5,624.104 9	0.4766	0.0000	5,636.018 9
Maximum	30.7485	64.6053	23.3556	0.1732	8.4716	1.0540	9.3323	3.5473	0.9840	4.3455	0.0000	18,592.53 11	18,592.53 11	1.6500	0.0000	18,633.78 16

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					
2021	3.0418	64.6053	23.2267	0.1732	5.6285	1.0540	6.4892	2.0200	0.9840	2.8182	0.0000	18,592.531 1	18,592.531 1	1.6500	0.0000	18,633.78 16
2022	30.7485	18.4475	23.3556	0.0590	2.8062	0.6980	3.5042	0.7503	0.6761	1.4264	0.0000	5,744.338 7	5,744.338 7	0.5015	0.0000	5,756.877 2
2023	30.5190	16.5471	22.4912	0.0578	2.8062	0.6082	3.4144	0.7503	0.5888	1.3392	0.0000	5,624.104 9	5,624.104 9	0.4766	0.0000	5,636.018 9
Maximum	30.7485	64.6053	23.3556	0.1732	5.6285	1.0540	6.4892	2.0200	0.9840	2.8182	0.0000	18,592.53 11	18,592.53 11	1.6500	0.0000	18,633.78 16

676 Mateo St - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	20.19	0.00	17.49	30.26	0.00	21.48	0.00	0.00	0.00	0.00	0.00	0.00

676 Mateo St - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471
Energy	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136
Mobile	3.6339	15.6000	45.1898	0.1676	14.6450	0.1303	14.7753	3.9191	0.1212	4.0403		17,085.7163	17,085.7163	0.8678		17,107.4114
Total	8.8648	19.9957	62.6733	0.1950	14.6450	0.5515	15.1965	3.9191	0.5424	4.4615	0.0000	22,427.3332	22,427.3332	0.9963	0.0974	22,481.2721

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	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471
Energy	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136
Mobile	3.1226	12.8468	32.6206	0.1126	9.5193	0.0898	9.6090	2.5474	0.0835	2.6309		11,481.4260	11,481.4260	0.6174		11,496.8606
Total	8.3534	17.2424	50.1040	0.1399	9.5193	0.5109	10.0302	2.5474	0.5046	3.0520	0.0000	16,823.0429	16,823.0429	0.7458	0.0974	16,870.7213

676 Mateo St - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.77	13.77	20.06	28.24	35.00	7.35	34.00	35.00	6.96	31.59	0.00	24.99	24.99	25.14	0.00	24.96

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	1/1/2021	1/29/2021	5	21	
2	Grading	Grading	1/30/2021	5/3/2021	5	66	
3	Building Construction	Building Construction	5/4/2021	1/2/2023	5	435	
4	Architectural Coating	Architectural Coating	11/2/2022	1/2/2023	5	44	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 1.03****Acres of Paving: 1.03****Residential Indoor: 344,402; Residential Outdoor: 114,801; Non-Residential Indoor: 40,920; Non-Residential Outdoor: 13,640; Striped Parking Area: 6,576 (Architectural Coating – sqft)****OffRoad Equipment**

676 Mateo St - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	1	7.00	158	0.38
Grading	Graders	0	0.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	204.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	9,312.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	189.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	38.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

676 Mateo St - Los Angeles-South Coast County, Winter

3.2 Demolition - 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					
Fugitive Dust					2.1000	0.0000	2.1000	0.3180	0.0000	0.3180			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	2.1000	1.0409	3.1409	0.3180	0.9715	1.2894		2,322.717 1	2,322.717 1	0.5940		2,337.565 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1157	3.5212	0.8959	0.0107	0.2547	0.0119	0.2666	0.0698	0.0114	0.0812		1,163.623 9	1,163.623 9	0.0781		1,165.576 4
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	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	0.1777	3.5636	1.3746	0.0121	0.4000	0.0131	0.4131	0.1083	0.0125	0.1209		1,303.016 6	1,303.016 6	0.0822		1,305.071 6

676 Mateo St - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021**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					0.8190	0.0000	0.8190	0.1240	0.0000	0.1240			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	0.8190	1.0409	1.8599	0.1240	0.9715	1.0955	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8

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	0.1157	3.5212	0.8959	0.0107	0.2547	0.0119	0.2666	0.0698	0.0114	0.0812		1,163.623 9	1,163.623 9	0.0781		1,165.576 4
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	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	0.1777	3.5636	1.3746	0.0121	0.4000	0.0131	0.4131	0.1083	0.0125	0.1209		1,303.016 6	1,303.016 6	0.0822		1,305.071 6

676 Mateo St - Los Angeles-South Coast County, Winter

3.3 Grading - 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					
Fugitive Dust					4.6608	0.0000	4.6608	2.5038	0.0000	2.5038			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314		1,584.7573	1,584.7573	0.5125		1,597.5708
Total	1.3130	13.4304	9.8466	0.0164	4.6608	0.6863	5.3471	2.5038	0.6314	3.1352		1,584.7573	1,584.7573	0.5125		1,597.5708

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	1.6811	51.1423	13.0119	0.1557	3.6990	0.1735	3.8725	1.0138	0.1660	1.1798		16,900.5487	16,900.5487	1.1343		16,928.9068
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	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	1.7287	51.1749	13.3801	0.1568	3.8108	0.1744	3.9852	1.0435	0.1668	1.2103		17,007.7739	17,007.7739	1.1375		17,036.2108

676 Mateo St - Los Angeles-South Coast County, Winter

3.3 Grading - 2021**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					1.8177	0.0000	1.8177	0.9765	0.0000	0.9765			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8
Total	1.3130	13.4304	9.8466	0.0164	1.8177	0.6863	2.5040	0.9765	0.6314	1.6079	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8

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	1.6811	51.1423	13.0119	0.1557	3.6990	0.1735	3.8725	1.0138	0.1660	1.1798		16,900.54 87	16,900.54 87	1.1343		16,928.90 68
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	0.0477	0.0326	0.3683	1.0800e- 003	0.1118	9.0000e- 004	0.1127	0.0296	8.3000e- 004	0.0305		107.2251	107.2251	3.1600e- 003		107.3040
Total	1.7287	51.1749	13.3801	0.1568	3.8108	0.1744	3.9852	1.0435	0.1668	1.2103		17,007.77 39	17,007.77 39	1.1375		17,036.21 08

676 Mateo St - Los Angeles-South Coast County, Winter

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1340	4.0693	1.1792	0.0105	0.2689	8.6100e-003	0.2775	0.0774	8.2300e-003	0.0857		1,122.8512	1,122.8512	0.0725		1,124.6634
Worker	0.9012	0.6164	6.9600	0.0203	2.1126	0.0171	2.1296	0.5603	0.0157	0.5760		2,026.5546	2,026.5546	0.0596		2,028.0454
Total	1.0352	4.6858	8.1393	0.0309	2.3815	0.0257	2.4071	0.6377	0.0240	0.6616		3,149.4058	3,149.4058	0.1321		3,152.7088

676 Mateo St - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021**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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1340	4.0693	1.1792	0.0105	0.2689	8.6100e-003	0.2775	0.0774	8.2300e-003	0.0857		1,122.8512	1,122.8512	0.0725		1,124.6634
Worker	0.9012	0.6164	6.9600	0.0203	2.1126	0.0171	2.1296	0.5603	0.0157	0.5760		2,026.5546	2,026.5546	0.0596		2,028.0454
Total	1.0352	4.6858	8.1393	0.0309	2.3815	0.0257	2.4071	0.6377	0.0240	0.6616		3,149.4058	3,149.4058	0.1321		3,152.7088

676 Mateo St - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1258	3.8673	1.1162	0.0104	0.2689	7.5300e-003	0.2764	0.0774	7.2000e-003	0.0846		1,112.8752	1,112.8752	0.0699		1,114.6237
Worker	0.8464	0.5567	6.4104	0.0196	2.1126	0.0165	2.1291	0.5603	0.0152	0.5755		1,955.3363	1,955.3363	0.0538		1,956.6823
Total	0.9722	4.4240	7.5267	0.0300	2.3815	0.0241	2.4055	0.6377	0.0224	0.6601		3,068.2114	3,068.2114	0.1238		3,071.3060

676 Mateo St - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1258	3.8673	1.1162	0.0104	0.2689	7.5300e-003	0.2764	0.0774	7.2000e-003	0.0846		1,112.8752	1,112.8752	0.0699		1,114.6237
Worker	0.8464	0.5567	6.4104	0.0196	2.1126	0.0165	2.1291	0.5603	0.0152	0.5755		1,955.3363	1,955.3363	0.0538		1,956.6823
Total	0.9722	4.4240	7.5267	0.0300	2.3815	0.0241	2.4055	0.6377	0.0224	0.6601		3,068.2114	3,068.2114	0.1238		3,071.3060

676 Mateo St - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0935	2.9290	0.9919	0.0101	0.2689	3.5700e-003	0.2725	0.0774	3.4200e-003	0.0808		1,078.3135	1,078.3135	0.0616		1,079.8528
Worker	0.7974	0.5035	5.8924	0.0189	2.1126	0.0161	2.1286	0.5603	0.0148	0.5751		1,883.8019	1,883.8019	0.0485		1,885.0139
Total	0.8909	3.4325	6.8843	0.0290	2.3815	0.0196	2.4011	0.6377	0.0182	0.6559		2,962.1154	2,962.1154	0.1101		2,964.8667

676 Mateo St - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0935	2.9290	0.9919	0.0101	0.2689	3.5700e-003	0.2725	0.0774	3.4200e-003	0.0808		1,078.3135	1,078.3135	0.0616		1,079.8528
Worker	0.7974	0.5035	5.8924	0.0189	2.1126	0.0161	2.1286	0.5603	0.0148	0.5751		1,883.8019	1,883.8019	0.0485		1,885.0139
Total	0.8909	3.4325	6.8843	0.0290	2.3815	0.0196	2.4011	0.6377	0.0182	0.6559		2,962.1154	2,962.1154	0.1101		2,964.8667

676 Mateo St - Los Angeles-South Coast County, Winter

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	27.7529					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	27.9574	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
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	0.1702	0.1119	1.2889	3.9400e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		393.1364	393.1364	0.0108		393.4070
Total	0.1702	0.1119	1.2889	3.9400e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		393.1364	393.1364	0.0108		393.4070

676 Mateo St - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.7529					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	0.0000	281.4481	281.4481	0.0183		281.9062
Total	27.9574	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	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	0.1702	0.1119	1.2889	3.9400e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		393.1364	393.1364	0.0108		393.4070
Total	0.1702	0.1119	1.2889	3.9400e-003	0.4248	3.3200e-003	0.4281	0.1127	3.0600e-003	0.1157		393.1364	393.1364	0.0108		393.4070

676 Mateo St - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.7529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	27.9445	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.1603	0.1012	1.1847	3.8000e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		378.7538	378.7538	9.7500e-003		378.9975
Total	0.1603	0.1012	1.1847	3.8000e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		378.7538	378.7538	9.7500e-003		378.9975

676 Mateo St - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.7529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	27.9445	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.1603	0.1012	1.1847	3.8000e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		378.7538	378.7538	9.7500e-003		378.9975
Total	0.1603	0.1012	1.1847	3.8000e-003	0.4248	3.2300e-003	0.4280	0.1127	2.9700e-003	0.1156		378.7538	378.7538	9.7500e-003		378.9975

4.0 Operational Detail - Mobile

676 Mateo St - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Integrate Below Market Rate Housing

Limit Parking Supply

Unbundle Parking Cost

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1226	12.8468	32.6206	0.1126	9.5193	0.0898	9.6090	2.5474	0.0835	2.6309		11,481.4260	11,481.4260	0.6174		11,496.8606
Unmitigated	3.6339	15.6000	45.1898	0.1676	14.6450	0.1303	14.7753	3.9191	0.1212	4.0403		17,085.7163	17,085.7163	0.8678		17,107.4114

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	974.95	1,084.47	836.20	3,315,276	2,154,929
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	34.00	7.72	2.44	82,913	53,894
High Turnover (Sit Down Restaurant)	970.32	1,058.96	1234.12	2,267,152	1,473,649
Regional Shopping Center	113.07	138.19	63.27	263,813	171,478
Total	2,092.34	2,289.33	2,136.03	5,929,154	3,853,950

676 Mateo St - Los Angeles-South Coast County, Winter

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	40.00	19.00	41.00	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	59	41	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	60	40	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
High Turnover (Sit Down Restaurant)	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Regional Shopping Center	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

676 Mateo St - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136
NaturalGas Unmitigated	0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136

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	5564.28	0.0600	0.5128	0.2182	3.2700e-003		0.0415	0.0415		0.0415	0.0415		654.6215	654.6215	0.0126	0.0120	658.5116
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
General Office Building	111.23	1.2000e-003	0.0109	9.1600e-003	7.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004		13.0859	13.0859	2.5000e-004	2.4000e-004	13.1637
High Turnover (Sit Down Restaurant)	9486.45	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	37.6301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136

676 Mateo St - Los Angeles-South Coast County, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.56428	0.0600	0.5128	0.2182	3.2700e-003		0.0415	0.0415		0.0415	0.0415		654.6215	654.6215	0.0126	0.0120	658.5116
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
General Office Building	0.11123	1.2000e-003	0.0109	9.1600e-003	7.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004		13.0859	13.0859	2.5000e-004	2.4000e-004	13.1637
High Turnover (Sit Down Restaurant)	9.48645	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	0.0376301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1639	1.4574	1.0117	8.9400e-003		0.1133	0.1133		0.1133	0.1133		1,788.1873	1,788.1873	0.0343	0.0328	1,798.8136

6.0 Area Detail**6.1 Mitigation Measures Area**

676 Mateo St - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471
Unmitigated	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471

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	0.3346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3232	2.7619	1.1753	0.0176		0.2233	0.2233		0.2233	0.2233	0.0000	3,525.8824	3,525.8824	0.0676	0.0646	3,546.8349
Landscaping	0.4627	0.1763	15.2965	8.1000e-004		0.0846	0.0846		0.0846	0.0846		27.5472	27.5472	0.0266		28.2122
Total	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.4296	3,553.4296	0.0942	0.0646	3,575.0471

676 Mateo St - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3232	2.7619	1.1753	0.0176		0.2233	0.2233		0.2233	0.2233	0.0000	3,525.882 4	3,525.882 4	0.0676	0.0646	3,546.834 9
Landscaping	0.4627	0.1763	15.2965	8.1000e-004		0.0846	0.0846		0.0846	0.0846		27.5472	27.5472	0.0266		28.2122
Total	5.0669	2.9382	16.4718	0.0184		0.3079	0.3079		0.3079	0.3079	0.0000	3,553.429 6	3,553.429 6	0.0942	0.0646	3,575.047 1

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

676 Mateo St - Los Angeles-South Coast County, Winter

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

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

676 Mateo St Alternative

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.09	1000sqft	0.00	26,093.00	0
Enclosed Parking with Elevator	274.00	Space	1.03	109,600.00	0
High Turnover (Sit Down Restaurant)	15.01	1000sqft	0.00	15,005.00	0
Apartments Mid Rise	159.00	Dwelling Unit	0.00	147,882.00	385
Regional Shopping Center	8.38	1000sqft	0.00	8,375.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - Site is 1.03 acres. Shopping ctr, restaurant, office and live-work office (combined under gen off) and apts all built on top of parking levels. Project footprint is 1.03 ac. 385 residents in 159 DUs.

Construction Phase - Demo starts 2021, build out in 2023. No paving or site prep.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added an excavator to grading phase. No grader needed. Increased tractor/loader/backhoes to 2.

Off-road Equipment -

Trips and VMT - Hauling distance of 30 miles to Sunshine Canyon.

Demolition - Demo of 26,740 SF of warehouse building and 18,060 SF of parking paving = 44,800 SF.

Grading - Export of 74,500 CY material. Area disturbed = 1.03 ac

Architectural Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Vehicle Trips - Weekday trip generation rates per TIA (include TDM and pass-by rdxns). Weekend trip rates from 10th Ed ITE and include same rdxns as weekday. Pass-by trip% for restaurant and shopping ctr divided and added to primary and diverted trip%s.

Woodstoves - No wood-burning appliances.

Area Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Sequestration - At least 46 new trees to be planted on-site

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Project located in DTLA. 159 DU/1.03 ac=154 DU/AC. ~141 jobs gen. by project, 141/1.14 ac (49,473SF) = 124 jobs/jb ac. Mixed use prjct. 0.05 mi to Metro stop @ 7th & Mateo. 11% of DUs v. low income. 39% rdxn in parking spces

Energy Mitigation - Install high efficiency lighting and energy efficient appliances.

Water Mitigation - 20% rdx in indoor water use per Cal Green requirements. Water efficient irrigation/landscaping installed on-site.

Waste Mitigation - 75% diversion in waste per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	200.00	435.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	4.00	66.00
tblFireplaces	NumberGas	135.15	143.10
tblFireplaces	NumberWood	7.95	0.00
tblGrading	AcresOfGrading	0.00	1.03
tblGrading	MaterialExported	0.00	74,500.00
tblLandUse	LandUseSquareFeet	15,010.00	15,005.00
tblLandUse	LandUseSquareFeet	159,000.00	147,882.00
tblLandUse	LandUseSquareFeet	8,380.00	8,375.00
tblLandUse	LotAcreage	0.60	0.00
tblLandUse	LotAcreage	2.47	1.03
tblLandUse	LotAcreage	0.34	0.00
tblLandUse	LotAcreage	4.18	0.00
tblLandUse	LotAcreage	0.19	0.00
tblLandUse	Population	455.00	385.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblSequestration	NumberOfNewTrees	0.00	46.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblVehicleTrips	DV_TP	20.00	41.00
tblVehicleTrips	DV_TP	35.00	40.00
tblVehicleTrips	HO_TTP	40.60	41.00

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	37.00	59.00
tblVehicleTrips	PR_TP	54.00	60.00
tblVehicleTrips	ST_TR	6.39	5.86
tblVehicleTrips	ST_TR	2.46	1.98
tblVehicleTrips	ST_TR	158.37	70.55
tblVehicleTrips	ST_TR	49.97	16.49
tblVehicleTrips	SU_TR	5.86	4.52
tblVehicleTrips	SU_TR	1.05	0.63
tblVehicleTrips	SU_TR	131.84	82.22
tblVehicleTrips	SU_TR	25.24	7.55
tblVehicleTrips	WD_TR	6.65	5.27
tblVehicleTrips	WD_TR	11.03	8.72
tblVehicleTrips	WD_TR	127.15	64.64
tblVehicleTrips	WD_TR	42.70	13.49
tblWoodstoves	NumberCatalytic	7.95	0.00
tblWoodstoves	NumberNoncatalytic	7.95	0.00

2.0 Emissions Summary

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.0090	63.6609	22.7525	0.1752	8.4720	1.0539	9.3310	3.5474	0.9839	4.3439	0.0000	18,807.90 42	18,807.90 42	1.6219	0.0000	18,848.45 19
2022	29.7698	18.4513	23.5250	0.0596	2.6673	0.6968	3.3641	0.7136	0.6750	1.3886	0.0000	5,805.924 6	5,805.924 6	0.4991	0.0000	5,818.401 2
2023	29.5475	16.5411	22.6782	0.0583	2.6673	0.6070	3.2743	0.7137	0.5877	1.3014	0.0000	5,683.189 1	5,683.189 1	0.4749	0.0000	5,695.060 6
Maximum	29.7698	63.6609	23.5250	0.1752	8.4720	1.0539	9.3310	3.5474	0.9839	4.3439	0.0000	18,807.90 42	18,807.90 42	1.6219	0.0000	18,848.45 19

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					
2021	3.0090	63.6609	22.7525	0.1752	5.6289	1.0539	6.4879	2.0201	0.9839	2.8166	0.0000	18,807.90 42	18,807.90 42	1.6219	0.0000	18,848.45 19
2022	29.7698	18.4513	23.5250	0.0596	2.6673	0.6968	3.3641	0.7136	0.6750	1.3886	0.0000	5,805.924 6	5,805.924 6	0.4991	0.0000	5,818.401 2
2023	29.5475	16.5411	22.6782	0.0583	2.6673	0.6070	3.2743	0.7137	0.5877	1.3014	0.0000	5,683.189 1	5,683.189 1	0.4749	0.0000	5,695.060 6
Maximum	29.7698	63.6609	23.5250	0.1752	5.6289	1.0539	6.4879	2.0201	0.9839	2.8166	0.0000	18,807.90 42	18,807.90 42	1.6219	0.0000	18,848.45 19

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	20.59	0.00	17.80	30.70	0.00	21.71	0.00	0.00	0.00	0.00	0.00	0.00

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239
Energy	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740
Mobile	3.8133	15.5080	48.1156	0.1789	14.8617	0.1316	14.9932	3.9771	0.1224	4.0994		18,222.5727	18,222.5727	0.8816		18,244.6125
Total	8.9229	19.4807	63.3126	0.2036	14.8617	0.5084	15.3700	3.9771	0.4992	4.4762	0.0000	23,047.2681	23,047.2681	0.9965	0.0880	23,098.4105

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	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239
Energy	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740
Mobile	3.2813	12.8807	34.0336	0.1203	9.6601	0.0904	9.7505	2.5851	0.0841	2.6692		12,266.1545	12,266.1545	0.6210		12,281.6800
Total	8.3909	16.8535	49.2305	0.1450	9.6601	0.4672	10.1273	2.5851	0.4609	3.0460	0.0000	17,090.8500	17,090.8500	0.7359	0.0880	17,135.4779

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.96	13.49	22.24	28.78	35.00	8.10	34.11	35.00	7.67	31.95	0.00	25.84	25.84	26.15	0.00	25.82

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	1/1/2021	1/29/2021	5	21	
2	Grading	Grading	1/30/2021	5/3/2021	5	66	
3	Building Construction	Building Construction	5/4/2021	1/2/2023	5	435	
4	Architectural Coating	Architectural Coating	11/2/2022	1/2/2023	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.03

Acres of Paving: 1.03

Residential Indoor: 299,461; Residential Outdoor: 99,820; Non-Residential Indoor: 74,210; Non-Residential Outdoor: 24,737; Striped Parking Area: 6,576 (Architectural Coating – sqft)

OffRoad Equipment

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	1	7.00	158	0.38
Grading	Graders	0	0.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	204.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	9,313.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	178.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.2 Demolition - 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					
Fugitive Dust					2.1000	0.0000	2.1000	0.3180	0.0000	0.3180			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	2.1000	1.0409	3.1409	0.3180	0.9715	1.2894		2,322.717 1	2,322.717 1	0.5940		2,337.565 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1138	3.4560	0.8608	0.0109	0.2547	0.0118	0.2665	0.0698	0.0113	0.0811		1,177.868 2	1,177.868 2	0.0761		1,179.771 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	0.1695	3.4943	1.3844	0.0123	0.4000	0.0130	0.4130	0.1083	0.0124	0.1207		1,325.908 2	1,325.908 2	0.0805		1,327.920 9

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**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					0.8190	0.0000	0.8190	0.1240	0.0000	0.1240			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	0.8190	1.0409	1.8599	0.1240	0.9715	1.0955	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8

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	0.1138	3.4560	0.8608	0.0109	0.2547	0.0118	0.2665	0.0698	0.0113	0.0811		1,177.868 2	1,177.868 2	0.0761		1,179.771 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	0.1695	3.4943	1.3844	0.0123	0.4000	0.0130	0.4130	0.1083	0.0124	0.1207		1,325.908 2	1,325.908 2	0.0805		1,327.920 9

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.3 Grading - 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					
Fugitive Dust					4.6608	0.0000	4.6608	2.5038	0.0000	2.5038			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314		1,584.7573	1,584.7573	0.5125		1,597.5708
Total	1.3130	13.4304	9.8466	0.0164	4.6608	0.6863	5.3471	2.5038	0.6314	3.1352		1,584.7573	1,584.7573	0.5125		1,597.5708

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	1.6531	50.2011	12.5032	0.1577	3.6994	0.1717	3.8712	1.0140	0.1643	1.1783		17,109.2699	17,109.2699	1.1060		17,136.9202
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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	1.6960	50.2305	12.9060	0.1588	3.8112	0.1726	3.9839	1.0436	0.1651	1.2087		17,223.1469	17,223.1469	1.1094		17,250.8811

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.3 Grading - 2021**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					1.8177	0.0000	1.8177	0.9765	0.0000	0.9765			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8
Total	1.3130	13.4304	9.8466	0.0164	1.8177	0.6863	2.5040	0.9765	0.6314	1.6079	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8

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	1.6531	50.2011	12.5032	0.1577	3.6994	0.1717	3.8712	1.0140	0.1643	1.1783		17,109.26 99	17,109.26 99	1.1060		17,136.92 02
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	0.0429	0.0295	0.4028	1.1400e- 003	0.1118	9.0000e- 004	0.1127	0.0296	8.3000e- 004	0.0305		113.8770	113.8770	3.3600e- 003		113.9609
Total	1.6960	50.2305	12.9060	0.1588	3.8112	0.1726	3.9839	1.0436	0.1651	1.2087		17,223.14 69	17,223.14 69	1.1094		17,250.88 11

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1307	4.1749	1.0914	0.0111	0.2753	8.5400e-003	0.2838	0.0793	8.1600e-003	0.0874		1,181.9867	1,181.9867	0.0696		1,183.7276
Worker	0.7630	0.5245	7.1694	0.0204	1.9896	0.0161	2.0057	0.5277	0.0148	0.5425		2,027.0103	2,027.0103	0.0597		2,028.5035
Total	0.8937	4.6993	8.2608	0.0314	2.2649	0.0246	2.2895	0.6069	0.0230	0.6299		3,208.9971	3,208.9971	0.1294		3,212.2311

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021**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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1307	4.1749	1.0914	0.0111	0.2753	8.5400e-003	0.2838	0.0793	8.1600e-003	0.0874		1,181.9867	1,181.9867	0.0696		1,183.7276
Worker	0.7630	0.5245	7.1694	0.0204	1.9896	0.0161	2.0057	0.5277	0.0148	0.5425		2,027.0103	2,027.0103	0.0597		2,028.5035
Total	0.8937	4.6993	8.2608	0.0314	2.2649	0.0246	2.2895	0.6069	0.0230	0.6299		3,208.9971	3,208.9971	0.1294		3,212.2311

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1227	3.9702	1.0326	0.0110	0.2753	7.4600e-003	0.2828	0.0793	7.1400e-003	0.0864		1,171.6893	1,171.6893	0.0672		1,173.3703
Worker	0.7147	0.4737	6.6145	0.0196	1.9896	0.0156	2.0052	0.5277	0.0143	0.5420		1,955.7079	1,955.7079	0.0540		1,957.0574
Total	0.8374	4.4439	7.6472	0.0306	2.2649	0.0230	2.2880	0.6069	0.0215	0.6284		3,127.3972	3,127.3972	0.1212		3,130.4277

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1227	3.9702	1.0326	0.0110	0.2753	7.4600e-003	0.2828	0.0793	7.1400e-003	0.0864		1,171.6893	1,171.6893	0.0672		1,173.3703
Worker	0.7147	0.4737	6.6145	0.0196	1.9896	0.0156	2.0052	0.5277	0.0143	0.5420		1,955.7079	1,955.7079	0.0540		1,957.0574
Total	0.8374	4.4439	7.6472	0.0306	2.2649	0.0230	2.2880	0.6069	0.0215	0.6284		3,127.3972	3,127.3972	0.1212		3,130.4277

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0910	3.0124	0.9326	0.0106	0.2753	3.4800e-003	0.2788	0.0793	3.3300e-003	0.0826		1,134.8019	1,134.8019	0.0596		1,136.2916
Worker	0.6712	0.4286	6.0914	0.0189	1.9896	0.0151	2.0048	0.5277	0.0139	0.5416		1,884.0979	1,884.0979	0.0487		1,885.3147
Total	0.7622	3.4411	7.0240	0.0295	2.2649	0.0186	2.2835	0.6069	0.0173	0.6242		3,018.8999	3,018.8999	0.1083		3,021.6062

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0910	3.0124	0.9326	0.0106	0.2753	3.4800e-003	0.2788	0.0793	3.3300e-003	0.0826		1,134.8019	1,134.8019	0.0596		1,136.2916
Worker	0.6712	0.4286	6.0914	0.0189	1.9896	0.0151	2.0048	0.5277	0.0139	0.5416		1,884.0979	1,884.0979	0.0487		1,885.3147
Total	0.7622	3.4411	7.0240	0.0295	2.2649	0.0186	2.2835	0.6069	0.0173	0.6242		3,018.8999	3,018.8999	0.1083		3,021.6062

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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	26.9346					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	27.1392	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
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	0.1446	0.0958	1.3378	3.9700e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		395.5364	395.5364	0.0109		395.8094
Total	0.1446	0.0958	1.3378	3.9700e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		395.5364	395.5364	0.0109		395.8094

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.9346					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	0.0000	281.4481	281.4481	0.0183		281.9062
Total	27.1392	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	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	0.1446	0.0958	1.3378	3.9700e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		395.5364	395.5364	0.0109		395.8094
Total	0.1446	0.0958	1.3378	3.9700e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		395.5364	395.5364	0.0109		395.8094

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.9346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	27.1263	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996
Total	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.9346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	27.1263	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996
Total	0.1357	0.0867	1.2320	3.8200e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		381.0535	381.0535	9.8400e-003		381.2996

4.0 Operational Detail - Mobile

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Integrate Below Market Rate Housing

Limit Parking Supply

Unbundle Parking Cost

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2813	12.8807	34.0336	0.1203	9.6601	0.0904	9.7505	2.5851	0.0841	2.6692		12,266.15 45	12,266.15 45	0.6210		12,281.68 00
Unmitigated	3.8133	15.5080	48.1156	0.1789	14.8617	0.1316	14.9932	3.9771	0.1224	4.0994		18,222.57 27	18,222.57 27	0.8816		18,244.61 25

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	837.93	931.74	718.68	2,849,190	1,851,974
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	227.53	51.66	16.44	554,900	360,685
High Turnover (Sit Down Restaurant)	970.25	1,058.96	1234.12	2,267,033	1,473,572
Regional Shopping Center	113.05	138.19	63.27	263,769	171,450
Total	2,148.75	2,180.55	2,032.51	5,934,893	3,857,680

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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	40.00	19.00	41.00	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	59	41	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	60	40	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
High Turnover (Sit Down Restaurant)	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Regional Shopping Center	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740
NaturalGas Unmitigated	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740

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	4782.28	0.0516	0.4407	0.1875	2.8100e-003		0.0356	0.0356		0.0356	0.0356		562.6207	562.6207	0.0108	0.0103	565.9640
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
General Office Building	744.187	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5514	87.5514	1.6800e-003	1.6100e-003	88.0717
High Turnover (Sit Down Restaurant)	9486.45	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	37.6301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4.78228	0.0516	0.4407	0.1875	2.8100e-003		0.0356	0.0356		0.0356	0.0356		562.6207	562.6207	0.0108	0.0103	565.9640
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
General Office Building	0.744187	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5514	87.5514	1.6800e-003	1.6100e-003	88.0717
High Turnover (Sit Down Restaurant)	9.48645	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	0.0376301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740

6.0 Area Detail**6.1 Mitigation Measures Area**

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239
Unmitigated	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239

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	0.3247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2778	2.3738	1.0101	0.0152		0.1919	0.1919		0.1919	0.1919	0.0000	3,030.3529	3,030.3529	0.0581	0.0556	3,048.3608
Landscaping	0.3983	0.1515	13.1537	7.0000e-004		0.0727	0.0727		0.0727	0.0727		23.6906	23.6906	0.0229		24.2631
Total	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2778	2.3738	1.0101	0.0152		0.1919	0.1919		0.1919	0.1919	0.0000	3,030.3529	3,030.3529	0.0581	0.0556	3,048.3608
Landscaping	0.3983	0.1515	13.1537	7.0000e-004		0.0727	0.0727		0.0727	0.0727		23.6906	23.6906	0.0229		24.2631
Total	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

676 Mateo St Alternative - Los Angeles-South Coast County, Summer

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

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

676 Mateo St Alternative

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.09	1000sqft	0.00	26,093.00	0
Enclosed Parking with Elevator	274.00	Space	1.03	109,600.00	0
High Turnover (Sit Down Restaurant)	15.01	1000sqft	0.00	15,005.00	0
Apartments Mid Rise	159.00	Dwelling Unit	0.00	147,882.00	385
Regional Shopping Center	8.38	1000sqft	0.00	8,375.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - Site is 1.03 acres. Shopping ctr, restaurant, office and live-work office (combined under gen off) and apts all built on top of parking levels. Project footprint is 1.03 ac. 385 residents in 159 DUs.

Construction Phase - Demo starts 2021, build out in 2023. No paving or site prep.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added an excavator to grading phase. No grader needed. Increased tractor/loader/backhoes to 2.

Off-road Equipment -

Trips and VMT - Hauling distance of 30 miles to Sunshine Canyon.

Demolition - Demo of 26,740 SF of warehouse building and 18,060 SF of parking paving = 44,800 SF.

Grading - Export of 74,500 CY material. Area disturbed = 1.03 ac

Architectural Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Vehicle Trips - Weekday trip generation rates per TIA (include TDM and pass-by rdxns). Weekend trip rates from 10th Ed ITE and include same rdxns as weekday. Pass-by trip% for restaurant and shopping ctr divided and added to primary and diverted trip%s.

Woodstoves - No wood-burning appliances.

Area Coating - Per SCAQMD Rule 1113 paints applied to buildings limited to 50g/L VOC content

Sequestration - At least 46 new trees to be planted on-site

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Project located in DTLA. 159 DU/1.03 ac=154 DU/AC. ~141 jobs gen. by project, 141/1.14 ac (49,473SF) = 124 jobs/jb ac. Mixed use prjct. 0.05 mi to Metro stop @ 7th & Mateo. 11% of DUs v. low income. 39% rdxn in parking spces

Energy Mitigation - Install high efficiency lighting and energy efficient appliances.

Water Mitigation - 20% rdx in indoor water use per Cal Green requirements. Water efficient irrigation/landscaping installed on-site.

Waste Mitigation - 75% diversion in waste per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50

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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	200.00	435.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	4.00	66.00
tblFireplaces	NumberGas	135.15	143.10
tblFireplaces	NumberWood	7.95	0.00
tblGrading	AcresOfGrading	0.00	1.03
tblGrading	MaterialExported	0.00	74,500.00
tblLandUse	LandUseSquareFeet	15,010.00	15,005.00
tblLandUse	LandUseSquareFeet	159,000.00	147,882.00
tblLandUse	LandUseSquareFeet	8,380.00	8,375.00
tblLandUse	LotAcreage	0.60	0.00
tblLandUse	LotAcreage	2.47	1.03
tblLandUse	LotAcreage	0.34	0.00
tblLandUse	LotAcreage	4.18	0.00
tblLandUse	LotAcreage	0.19	0.00
tblLandUse	Population	455.00	385.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblSequestration	NumberOfNewTrees	0.00	46.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblVehicleTrips	DV_TP	20.00	41.00
tblVehicleTrips	DV_TP	35.00	40.00
tblVehicleTrips	HO_TTP	40.60	41.00

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tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	37.00	59.00
tblVehicleTrips	PR_TP	54.00	60.00
tblVehicleTrips	ST_TR	6.39	5.86
tblVehicleTrips	ST_TR	2.46	1.98
tblVehicleTrips	ST_TR	158.37	70.55
tblVehicleTrips	ST_TR	49.97	16.49
tblVehicleTrips	SU_TR	5.86	4.52
tblVehicleTrips	SU_TR	1.05	0.63
tblVehicleTrips	SU_TR	131.84	82.22
tblVehicleTrips	SU_TR	25.24	7.55
tblVehicleTrips	WD_TR	6.65	5.27
tblVehicleTrips	WD_TR	11.03	8.72
tblVehicleTrips	WD_TR	127.15	64.64
tblVehicleTrips	WD_TR	42.70	13.49
tblWoodstoves	NumberCatalytic	7.95	0.00
tblWoodstoves	NumberNoncatalytic	7.95	0.00

2.0 Emissions Summary

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.0420	64.6108	23.2281	0.1732	8.4720	1.0540	9.3327	3.5474	0.9840	4.3456	0.0000	18,594.34 60	18,594.34 60	1.6501	0.0000	18,635.59 95
2022	29.8750	18.5013	22.9412	0.0579	2.6673	0.6970	3.3644	0.7136	0.6752	1.3888	0.0000	5,636.341 7	5,636.341 7	0.4995	0.0000	5,648.829 2
2023	29.6481	16.5822	22.1095	0.0567	2.6673	0.6072	3.2745	0.7137	0.5879	1.3015	0.0000	5,520.205 4	5,520.205 4	0.4747	0.0000	5,532.072 7
Maximum	29.8750	64.6108	23.2281	0.1732	8.4720	1.0540	9.3327	3.5474	0.9840	4.3456	0.0000	18,594.34 60	18,594.34 60	1.6501	0.0000	18,635.59 95

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					
2021	3.0420	64.6108	23.2281	0.1732	5.6289	1.0540	6.4897	2.0201	0.9840	2.8183	0.0000	18,594.34 60	18,594.34 60	1.6501	0.0000	18,635.59 95
2022	29.8750	18.5013	22.9412	0.0579	2.6673	0.6970	3.3644	0.7136	0.6752	1.3888	0.0000	5,636.341 7	5,636.341 7	0.4995	0.0000	5,648.829 2
2023	29.6481	16.5822	22.1095	0.0567	2.6673	0.6072	3.2745	0.7137	0.5879	1.3015	0.0000	5,520.205 4	5,520.205 4	0.4747	0.0000	5,532.072 7
Maximum	29.8750	64.6108	23.2281	0.1732	5.6289	1.0540	6.4897	2.0201	0.9840	2.8183	0.0000	18,594.34 60	18,594.34 60	1.6501	0.0000	18,635.59 95

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	20.59	0.00	17.80	30.70	0.00	21.71	0.00	0.00	0.00	0.00	0.00	0.00

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239
Energy	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740
Mobile	3.6911	15.8431	45.8729	0.1701	14.8617	0.1323	14.9939	3.9771	0.1230	4.1001		17,340.1329	17,340.1329	0.8809		17,362.1549
Total	8.8007	19.8158	61.0699	0.1948	14.8617	0.5091	15.3707	3.9771	0.4998	4.4769	0.0000	22,164.8284	22,164.8284	0.9958	0.0880	22,215.9529

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	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239
Energy	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740
Mobile	3.1722	13.0491	33.1178	0.1142	9.6601	0.0911	9.7512	2.5851	0.0847	2.6698		11,652.9512	11,652.9512	0.6268		11,668.6202
Total	8.2818	17.0218	48.3147	0.1389	9.6601	0.4679	10.1280	2.5851	0.4615	3.0466	0.0000	16,477.6467	16,477.6467	0.7417	0.0880	16,522.4181

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.90	14.10	20.89	28.68	35.00	8.09	34.11	35.00	7.66	31.95	0.00	25.66	25.66	25.52	0.00	25.63

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	1/1/2021	1/29/2021	5	21	
2	Grading	Grading	1/30/2021	5/3/2021	5	66	
3	Building Construction	Building Construction	5/4/2021	1/2/2023	5	435	
4	Architectural Coating	Architectural Coating	11/2/2022	1/2/2023	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.03

Acres of Paving: 1.03

Residential Indoor: 299,461; Residential Outdoor: 99,820; Non-Residential Indoor: 74,210; Non-Residential Outdoor: 24,737; Striped Parking Area: 6,576 (Architectural Coating – sqft)

OffRoad Equipment

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	1	7.00	158	0.38
Grading	Graders	0	0.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	204.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	9,313.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	178.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

3.2 Demolition - 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					
Fugitive Dust					2.1000	0.0000	2.1000	0.3180	0.0000	0.3180			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	2.1000	1.0409	3.1409	0.3180	0.9715	1.2894		2,322.717 1	2,322.717 1	0.5940		2,337.565 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1157	3.5212	0.8959	0.0107	0.2547	0.0119	0.2666	0.0698	0.0114	0.0812		1,163.623 9	1,163.623 9	0.0781		1,165.576 4
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	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	0.1777	3.5636	1.3746	0.0121	0.4000	0.0131	0.4131	0.1083	0.0125	0.1209		1,303.016 6	1,303.016 6	0.0822		1,305.071 6

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3.2 Demolition - 2021**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					0.8190	0.0000	0.8190	0.1240	0.0000	0.1240			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8
Total	1.9930	19.6966	14.4925	0.0241	0.8190	1.0409	1.8599	0.1240	0.9715	1.0955	0.0000	2,322.717 1	2,322.717 1	0.5940		2,337.565 8

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	0.1157	3.5212	0.8959	0.0107	0.2547	0.0119	0.2666	0.0698	0.0114	0.0812		1,163.623 9	1,163.623 9	0.0781		1,165.576 4
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	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	0.1777	3.5636	1.3746	0.0121	0.4000	0.0131	0.4131	0.1083	0.0125	0.1209		1,303.016 6	1,303.016 6	0.0822		1,305.071 6

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

3.3 Grading - 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					
Fugitive Dust					4.6608	0.0000	4.6608	2.5038	0.0000	2.5038			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314		1,584.7573	1,584.7573	0.5125		1,597.5708
Total	1.3130	13.4304	9.8466	0.0164	4.6608	0.6863	5.3471	2.5038	0.6314	3.1352		1,584.7573	1,584.7573	0.5125		1,597.5708

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	1.6812	51.1478	13.0133	0.1558	3.6994	0.1735	3.8729	1.0140	0.1660	1.1799		16,902.3637	16,902.3637	1.1344		16,930.7247
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	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	1.7289	51.1804	13.3815	0.1568	3.8112	0.1744	3.9856	1.0436	0.1668	1.2104		17,009.5888	17,009.5888	1.1376		17,038.0287

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3.3 Grading - 2021**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					1.8177	0.0000	1.8177	0.9765	0.0000	0.9765			0.0000			0.0000
Off-Road	1.3130	13.4304	9.8466	0.0164		0.6863	0.6863		0.6314	0.6314	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8
Total	1.3130	13.4304	9.8466	0.0164	1.8177	0.6863	2.5040	0.9765	0.6314	1.6079	0.0000	1,584.757 3	1,584.757 3	0.5125		1,597.570 8

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	1.6812	51.1478	13.0133	0.1558	3.6994	0.1735	3.8729	1.0140	0.1660	1.1799		16,902.36 37	16,902.36 37	1.1344		16,930.72 47
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	0.0477	0.0326	0.3683	1.0800e- 003	0.1118	9.0000e- 004	0.1127	0.0296	8.3000e- 004	0.0305		107.2251	107.2251	3.1600e- 003		107.3040
Total	1.7289	51.1804	13.3815	0.1568	3.8112	0.1744	3.9856	1.0436	0.1668	1.2104		17,009.58 88	17,009.58 88	1.1376		17,038.02 87

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1372	4.1662	1.2073	0.0108	0.2753	8.8100e-003	0.2841	0.0793	8.4300e-003	0.0877		1,149.5858	1,149.5858	0.0742		1,151.4411
Worker	0.8487	0.5805	6.5550	0.0192	1.9896	0.0161	2.0057	0.5277	0.0148	0.5425		1,908.6069	1,908.6069	0.0562		1,910.0110
Total	0.9860	4.7468	7.7623	0.0299	2.2649	0.0249	2.2898	0.6069	0.0232	0.6302		3,058.1927	3,058.1927	0.1304		3,061.4521

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021**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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

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	0.1372	4.1662	1.2073	0.0108	0.2753	8.8100e-003	0.2841	0.0793	8.4300e-003	0.0877		1,149.5858	1,149.5858	0.0742		1,151.4411
Worker	0.8487	0.5805	6.5550	0.0192	1.9896	0.0161	2.0057	0.5277	0.0148	0.5425		1,908.6069	1,908.6069	0.0562		1,910.0110
Total	0.9860	4.7468	7.7623	0.0299	2.2649	0.0249	2.2898	0.6069	0.0232	0.6302		3,058.1927	3,058.1927	0.1304		3,061.4521

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1288	3.9594	1.1428	0.0107	0.2753	7.7100e-003	0.2830	0.0793	7.3700e-003	0.0866		1,139.3722	1,139.3722	0.0716		1,141.1624
Worker	0.7972	0.5243	6.0373	0.0185	1.9896	0.0156	2.0052	0.5277	0.0143	0.5420		1,841.5336	1,841.5336	0.0507		1,842.8013
Total	0.9260	4.4837	7.1802	0.0291	2.2649	0.0233	2.2882	0.6069	0.0217	0.6286		2,980.9058	2,980.9058	0.1223		2,983.9637

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.1288	3.9594	1.1428	0.0107	0.2753	7.7100e-003	0.2830	0.0793	7.3700e-003	0.0866		1,139.3722	1,139.3722	0.0716		1,141.1624
Worker	0.7972	0.5243	6.0373	0.0185	1.9896	0.0156	2.0052	0.5277	0.0143	0.5420		1,841.5336	1,841.5336	0.0507		1,842.8013
Total	0.9260	4.4837	7.1802	0.0291	2.2649	0.0233	2.2882	0.6069	0.0217	0.6286		2,980.9058	2,980.9058	0.1223		2,983.9637

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0957	2.9988	1.0155	0.0103	0.2753	3.6600e-003	0.2790	0.0793	3.5000e-003	0.0828		1,103.9876	1,103.9876	0.0630		1,105.5636
Worker	0.7510	0.4742	5.5495	0.0178	1.9896	0.0151	2.0048	0.5277	0.0139	0.5416		1,774.1626	1,774.1626	0.0457		1,775.3041
Total	0.8467	3.4729	6.5649	0.0281	2.2649	0.0188	2.2837	0.6069	0.0174	0.6244		2,878.1503	2,878.1503	0.1087		2,880.8676

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3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

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	0.0957	2.9988	1.0155	0.0103	0.2753	3.6600e-003	0.2790	0.0793	3.5000e-003	0.0828		1,103.9876	1,103.9876	0.0630		1,105.5636
Worker	0.7510	0.4742	5.5495	0.0178	1.9896	0.0151	2.0048	0.5277	0.0139	0.5416		1,774.1626	1,774.1626	0.0457		1,775.3041
Total	0.8467	3.4729	6.5649	0.0281	2.2649	0.0188	2.2837	0.6069	0.0174	0.6244		2,878.1503	2,878.1503	0.1087		2,880.8676

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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	26.9346					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	27.1392	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
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	0.1612	0.1060	1.2210	3.7400e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		372.4450	372.4450	0.0103		372.7014
Total	0.1612	0.1060	1.2210	3.7400e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		372.4450	372.4450	0.0103		372.7014

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3.5 Architectural Coating - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.9346					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	0.0000	281.4481	281.4481	0.0183		281.9062
Total	27.1392	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	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	0.1612	0.1060	1.2210	3.7400e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		372.4450	372.4450	0.0103		372.7014
Total	0.1612	0.1060	1.2210	3.7400e-003	0.4024	3.1500e-003	0.4056	0.1067	2.9000e-003	0.1096		372.4450	372.4450	0.0103		372.7014

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.9346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	27.1263	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503
Total	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.9346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	27.1263	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503
Total	0.1519	0.0959	1.1224	3.6000e-003	0.4024	3.0600e-003	0.4055	0.1067	2.8200e-003	0.1095		358.8194	358.8194	9.2300e-003		359.0503

4.0 Operational Detail - Mobile

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Integrate Below Market Rate Housing

Limit Parking Supply

Unbundle Parking Cost

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1722	13.0491	33.1178	0.1142	9.6601	0.0911	9.7512	2.5851	0.0847	2.6698		11,652.9512	11,652.9512	0.6268		11,668.6202
Unmitigated	3.6911	15.8431	45.8729	0.1701	14.8617	0.1323	14.9939	3.9771	0.1230	4.1001		17,340.1329	17,340.1329	0.8809		17,362.1549

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	837.93	931.74	718.68	2,849,190	1,851,974
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	227.53	51.66	16.44	554,900	360,685
High Turnover (Sit Down Restaurant)	970.25	1,058.96	1234.12	2,267,033	1,473,572
Regional Shopping Center	113.05	138.19	63.27	263,769	171,450
Total	2,148.75	2,180.55	2,032.51	5,934,893	3,857,680

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

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	40.00	19.00	41.00	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	59	41	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	60	40	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
High Turnover (Sit Down Restaurant)	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Regional Shopping Center	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740
NaturalGas Unmitigated	0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740

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	4782.28	0.0516	0.4407	0.1875	2.8100e-003		0.0356	0.0356		0.0356	0.0356		562.6207	562.6207	0.0108	0.0103	565.9640
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
General Office Building	744.187	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5514	87.5514	1.6800e-003	1.6100e-003	88.0717
High Turnover (Sit Down Restaurant)	9486.45	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	37.6301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4.78228	0.0516	0.4407	0.1875	2.8100e-003		0.0356	0.0356		0.0356	0.0356		562.6207	562.6207	0.0108	0.0103	565.9640
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
General Office Building	0.744187	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5514	87.5514	1.6800e-003	1.6100e-003	88.0717
High Turnover (Sit Down Restaurant)	9.48645	0.1023	0.9300	0.7812	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.0528	1,116.0528	0.0214	0.0205	1,122.6849
Regional Shopping Center	0.0376301	4.1000e-004	3.6900e-003	3.1000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.4271	4.4271	8.0000e-005	8.0000e-005	4.4534
Total		0.1623	1.4474	1.0332	8.8500e-003		0.1121	0.1121		0.1121	0.1121		1,770.6519	1,770.6519	0.0339	0.0325	1,781.1740

6.0 Area Detail**6.1 Mitigation Measures Area**

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239
Unmitigated	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239

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	0.3247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2778	2.3738	1.0101	0.0152		0.1919	0.1919		0.1919	0.1919	0.0000	3,030.3529	3,030.3529	0.0581	0.0556	3,048.3608
Landscaping	0.3983	0.1515	13.1537	7.0000e-004		0.0727	0.0727		0.0727	0.0727		23.6906	23.6906	0.0229		24.2631
Total	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2778	2.3738	1.0101	0.0152		0.1919	0.1919		0.1919	0.1919	0.0000	3,030.3529	3,030.3529	0.0581	0.0556	3,048.3608
Landscaping	0.3983	0.1515	13.1537	7.0000e-004		0.0727	0.0727		0.0727	0.0727		23.6906	23.6906	0.0229		24.2631
Total	4.9473	2.5253	14.1638	0.0159		0.2647	0.2647		0.2647	0.2647	0.0000	3,054.0436	3,054.0436	0.0810	0.0556	3,072.6239

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

676 Mateo St Alternative - Los Angeles-South Coast County, Winter

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
