

Appendix F

Greenhouse Gas Emissions – CalEEMod Output Files



F-1 Existing Site Operational Emissions

Burbank De Soto Operational Existing (All Phases) - Los Angeles-South Coast County, Annual

Burbank De Soto Operational Existing (All Phases)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	319.04	1000sqft	9.50	319,039.00	0
Health Club	18.30	1000sqft	0.55	18,300.00	0
High Turnover (Sit Down Restaurant)	3.00	1000sqft	0.09	3,000.00	0
Parking Lot	1,196.00	Space	14.26	478,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2035
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

Project Characteristics -

Land Use - Acreage proportional to square footage and total project area

Energy Use -

Waste Mitigation - Per City of LA Zero Waste Policy

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.88	0.88
tblLandUse	LotAcreage	7.32	9.50
tblLandUse	LotAcreage	0.42	0.55
tblLandUse	LotAcreage	0.07	0.09
tblLandUse	LotAcreage	10.76	14.26
tblVehicleTrips	ST_TR	2.46	2.19
tblVehicleTrips	ST_TR	20.87	20.24
tblVehicleTrips	ST_TR	158.37	122.90
tblVehicleTrips	SU_TR	1.05	0.93
tblVehicleTrips	SU_TR	26.73	25.93
tblVehicleTrips	SU_TR	131.84	102.31
tblVehicleTrips	WD_TR	11.03	9.82
tblVehicleTrips	WD_TR	32.93	31.93
tblVehicleTrips	WD_TR	127.15	98.67

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4269	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406
Energy	0.0272	0.2468	0.2073	1.4800e-003		0.0188	0.0188		0.0188	0.0188	0.0000	3,418.6393	3,418.6393	0.0795	0.0203	3,426.6825
Mobile	0.5122	3.1150	6.5160	0.0335	3.5057	0.0172	3.5229	0.9393	0.0160	0.9553	0.0000	3,119.2681	3,119.2681	0.1246	0.0000	3,122.3823
Waste						0.0000	0.0000		0.0000	0.0000	88.6502	0.0000	88.6502	5.2391	0.0000	219.6272
Water						0.0000	0.0000		0.0000	0.0000	18.6219	645.2006	663.8225	1.9279	0.0483	726.4173
Total	1.9663	3.3619	6.7428	0.0349	3.5057	0.0360	3.5417	0.9393	0.0348	0.9741	107.2721	7,183.1461	7,290.4182	7.3712	0.0686	7,495.1497

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4269	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406
Energy	0.0272	0.2468	0.2073	1.4800e-003		0.0188	0.0188		0.0188	0.0188	0.0000	3,418.6393	3,418.6393	0.0795	0.0203	3,426.6825
Mobile	0.5122	3.1150	6.5160	0.0335	3.5057	0.0172	3.5229	0.9393	0.0160	0.9553	0.0000	3,119.2681	3,119.2681	0.1246	0.0000	3,122.3823
Waste						0.0000	0.0000		0.0000	0.0000	21.2761	0.0000	21.2761	1.2574	0.0000	52.7105
Water						0.0000	0.0000		0.0000	0.0000	18.6219	645.2006	663.8225	1.9279	0.0483	726.4173
Total	1.9663	3.3619	6.7428	0.0349	3.5057	0.0360	3.5417	0.9393	0.0348	0.9741	39.8979	7,183.1461	7,223.0440	3.3895	0.0686	7,328.2331

	ROG	NOx	CO	SO2	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	62.81	0.00	0.92	54.02	0.00	2.23

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5122	3.1150	6.5160	0.0335	3.5057	0.0172	3.5229	0.9393	0.0160	0.9553	0.0000	3,119.2681	3,119.2681	0.1246	0.0000	3,122.3823
Unmitigated	0.5122	3.1150	6.5160	0.0335	3.5057	0.0172	3.5229	0.9393	0.0160	0.9553	0.0000	3,119.2681	3,119.2681	0.1246	0.0000	3,122.3823

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	3,132.96	698.70	296.71	7,667,177	7,667,177
Health Club	584.32	370.39	474.52	1,150,813	1,150,813
High Turnover (Sit Down Restaurant)	296.01	368.70	306.93	419,690	419,690
Parking Lot	0.00	0.00	0.00		
Total	4,013.29	1,437.79	1,078.16	9,237,680	9,237,680

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Health Club	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
High Turnover (Sit Down Restaurant)	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,149.9933	3,149.9933	0.0744	0.0154	3,156.4401
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,149.9933	3,149.9933	0.0744	0.0154	3,156.4401
NaturalGas Mitigated	0.0272	0.2468	0.2073	1.4800e-003		0.0188	0.0188		0.0188	0.0188	0.0000	268.6460	268.6460	5.1500e-003	4.9300e-003	270.2424
NaturalGas Unmitigated	0.0272	0.2468	0.2073	1.4800e-003		0.0188	0.0188		0.0188	0.0188	0.0000	268.6460	268.6460	5.1500e-003	4.9300e-003	270.2424

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	3.96885e+006	0.0214	0.1946	0.1634	1.1700e-003		0.0148	0.0148		0.0148	0.0148	0.0000	211.7927	211.7927	4.0600e-003	3.8800e-003	213.0513
Health Club	362340	1.9500e-003	0.0178	0.0149	1.1000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	19.3358	19.3358	3.7000e-004	3.5000e-004	19.4508
High Turnover (Sit Down Restaurant)	703050	3.7900e-003	0.0345	0.0290	2.1000e-004		2.6200e-003	2.6200e-003		2.6200e-003	2.6200e-003	0.0000	37.5174	37.5174	7.2000e-004	6.9000e-004	37.7404
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0271	0.2468	0.2073	1.4900e-003		0.0188	0.0188		0.0188	0.0188	0.0000	268.6460	268.6460	5.1500e-003	4.9200e-003	270.2424

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	3.96885e+006	0.0214	0.1946	0.1634	1.1700e-003		0.0148	0.0148		0.0148	0.0148	0.0000	211.7927	211.7927	4.0600e-003	3.8800e-003	213.0513
Health Club	362340	1.9500e-003	0.0178	0.0149	1.1000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	19.3358	19.3358	3.7000e-004	3.5000e-004	19.4508
High Turnover (Sit Down Restaurant)	703050	3.7900e-003	0.0345	0.0290	2.1000e-004		2.6200e-003	2.6200e-003		2.6200e-003	2.6200e-003	0.0000	37.5174	37.5174	7.2000e-004	6.9000e-004	37.7404
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0271	0.2468	0.2073	1.4900e-003		0.0188	0.0188		0.0188	0.0188	0.0000	268.6460	268.6460	5.1500e-003	4.9200e-003	270.2424

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	4.86215e+006	2,708.0330	0.0640	0.0132	2,713.5752
Health Club	229482	127.8127	3.0200e-003	6.2000e-004	128.0742
High Turnover (Sit Down Restaurant)	144960	80.7371	1.9100e-003	3.9000e-004	80.9024
Parking Lot	419078	233.4106	5.5100e-003	1.1400e-003	233.8883
Total		3,149.9933	0.0744	0.0154	3,156.4401

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	4.86215e+006	2,708.0330	0.0640	0.0132	2,713.5752
Health Club	229482	127.8127	3.0200e-003	6.2000e-004	128.0742
High Turnover (Sit Down Restaurant)	144960	80.7371	1.9100e-003	3.9000e-004	80.9024
Parking Lot	419078	233.4106	5.5100e-003	1.1400e-003	233.8883
Total		3,149.9933	0.0744	0.0154	3,156.4401

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4269	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406
Unmitigated	1.4269	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1644					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2607					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7800e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406
Total	1.4269	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1644					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2607					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7800e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406
Total	1.4269	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0381	0.0381	1.0000e-004	0.0000	0.0406

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	663.8225	1.9279	0.0483	726.4173
Unmitigated	663.8225	1.9279	0.0483	726.4173

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	56.7042 / 34.7542	644.2728	1.8625	0.0467	704.7484
Health Club	1.08232 / 0.663357	12.2973	0.0356	8.9000e-004	13.4516
High Turnover (Sit Down Restaurant)	0.910601 / 0.0581235	7.2524	0.0298	7.3000e-004	8.2172
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		663.8225	1.9279	0.0483	726.4173

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	56.7042 / 34.7542	644.2728	1.8625	0.0467	704.7484
Health Club	1.08232 / 0.663357	12.2973	0.0356	8.9000e-004	13.4516
High Turnover (Sit Down Restaurant)	0.910601 / 0.0581235	7.2524	0.0298	7.3000e-004	8.2172
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		663.8225	1.9279	0.0483	726.4173

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	21.2761	1.2574	0.0000	52.7105
Unmitigated	88.6502	5.2391	0.0000	219.6272

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	296.71	60.2295	3.5595	0.0000	149.2159
Health Club	104.31	21.1740	1.2514	0.0000	52.4577
High Turnover (Sit Down Restaurant)	35.7	7.2468	0.4283	0.0000	17.9536
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		88.6502	5.2391	0.0000	219.6272

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	71.2104	14.4551	0.8543	0.0000	35.8118
Health Club	25.0344	5.0818	0.3003	0.0000	12.5898
High Turnover (Sit Down Restaurant)	8.568	1.7392	0.1028	0.0000	4.3089
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		21.2761	1.2574	0.0000	52.7105

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

F-2 Project Construction Emissions

Project Construction Emissions: Phase 1

CalEEMod Land Use Inputs

Notes:

Construction Schedule and California Emissions Estimator Model (CalEEMod) Inputs

[illegible]

Burbank De Soto - Phase 1 - South Coast Air Basin, Annual

Burbank De Soto - Phase 1

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.02	1000sqft	0.31	49,017.00	0
Enclosed Parking with Elevator	76.00	Space	0.20	30,400.00	0
Unenclosed Parking with Elevator	529.00	Space	1.36	211,600.00	0
High Turnover (Sit Down Restaurant)	12.44	1000sqft	0.08	12,439.00	0
Apartments Mid Rise	355.00	Dwelling Unit	2.48	387,357.00	1015
Apartments Mid Rise	48.00	Dwelling Unit	0.27	42,781.00	137

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2022
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

Project Characteristics -

Land Use - See construction assumptions

Construction Phase - See construction assumptions

Off-road Equipment -

Off-road Equipment -
Off-road Equipment - See construction assumptions
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - See construction assumptions
Trips and VMT - See construction assumptions
Demolition -
Grading - See construction assumptions

Construction Off-road Equipment Mitigation - Tier 4 Mitigation per WC2035 Plan FEIR

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	14,520.00	14,568.00
tblAreaCoating	Area_Parking	14520	14568
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	347.00
tblConstructionPhase	NumDays	230.00	500.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	8.00	60.00
tblConstructionPhase	NumDays	18.00	132.00
tblConstructionPhase	NumDays	5.00	32.00
tblGrading	AcresOfGrading	30.00	4.70
tblGrading	MaterialExported	0.00	79,241.00
tblLandUse	LandUseSquareFeet	49,020.00	49,017.00
tblLandUse	LandUseSquareFeet	12,440.00	12,439.00
tblLandUse	LandUseSquareFeet	355,000.00	387,357.00
tblLandUse	LandUseSquareFeet	48,000.00	42,781.00
tblLandUse	LotAcreage	1.13	0.31
tblLandUse	LotAcreage	0.68	0.20
tblLandUse	LotAcreage	4.76	1.36
tblLandUse	LotAcreage	0.29	0.08
tblLandUse	LotAcreage	9.34	2.48
tblLandUse	LotAcreage	1.26	0.27
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00

tblTripsAndVMT	HaulingTripNumber	359.00	920.00
tblTripsAndVMT	HaulingTripNumber	9,905.00	15,849.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.1297	1.8578	0.7725	3.0400e-003	0.3112	0.0585	0.3697	0.1163	0.0543	0.1706	0.0000	288.4180	288.4180	0.0419	0.0000	289.4642
2020	0.8941	5.6845	4.6889	0.0160	0.8583	0.1682	1.0265	0.2674	0.1579	0.4252	0.0000	1,488.5073	1,488.5073	0.1437	0.0000	1,492.0986
2021	1.8971	4.4539	5.6703	0.0149	0.7987	0.1771	0.9758	0.2139	0.1666	0.3805	0.0000	1,350.0721	1,350.0721	0.1395	0.0000	1,353.5583
2022	0.1622	0.4022	0.5408	1.3700e-003	0.0687	0.0158	0.0845	0.0184	0.0148	0.0332	0.0000	123.2862	123.2862	0.0148	0.0000	123.6565
Maximum	1.8971	5.6845	5.6703	0.0160	0.8583	0.1771	1.0265	0.2674	0.1666	0.4252	0.0000	1,488.5073	1,488.5073	0.1437	0.0000	1,492.0986

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0364	0.8088	0.7882	3.0400e-003	0.1969	4.5100e-003	0.2014	0.0647	4.3900e-003	0.0691	0.0000	288.4179	288.4179	0.0419	0.0000	289.4641
2020	0.6788	3.2988	4.8228	0.0160	0.7714	0.0295	0.8009	0.2214	0.0287	0.2501	0.0000	1,488.5069	1,488.5069	0.1437	0.0000	1,492.0983
2021	1.6528	1.8102	5.8866	0.0149	0.7987	0.0246	0.8233	0.2139	0.0241	0.2379	0.0000	1,350.0716	1,350.0716	0.1395	0.0000	1,353.5578
2022	0.1393	0.1517	0.5700	1.3700e-003	0.0687	2.1200e-003	0.0708	0.0184	2.0700e-003	0.0205	0.0000	123.2861	123.2861	0.0148	0.0000	123.6565
Maximum	1.6528	3.2988	5.8866	0.0160	0.7987	0.0295	0.8233	0.2214	0.0287	0.2501	0.0000	1,488.5069	1,488.5069	0.1437	0.0000	1,492.0983

	ROG	NOx	CO	SO2	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	18.68	51.05	-3.39	0.00	9.88	85.52	22.80	15.85	84.95	42.78	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2019	11-30-2019	1.0789	0.1997
2	12-1-2019	2-29-2020	3.1689	2.3219
3	3-1-2020	5-31-2020	1.2135	0.6164
4	6-1-2020	8-31-2020	1.1340	0.5466
5	9-1-2020	11-30-2020	1.3815	0.7638
6	12-1-2020	2-28-2021	1.4396	0.8514
7	3-1-2021	5-31-2021	1.4254	0.8473
8	6-1-2021	8-31-2021	1.5511	0.8576
9	9-1-2021	11-30-2021	1.8062	0.8846
10	12-1-2021	2-28-2022	1.2035	0.6055
		Highest	3.1689	2.3219

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2019	10/27/2019	5	40	
2	Site Preparation	Site Preparation	10/28/2019	12/10/2019	5	32	
3	Grading	Grading	12/11/2019	3/3/2020	5	60	
4	Building Construction	Building Construction	3/4/2020	2/1/2022	5	500	
5	Architectural Coating	Architectural Coating	10/4/2020	2/1/2022	5	347	
6	Paving	Paving	8/2/2021	2/1/2022	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.7

Acres of Paving: 1.56

Residential Indoor: 871,029; Residential Outdoor: 290,343; Non-Residential Indoor: 92,184; Non-Residential Outdoor: 30,728; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	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	920.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	15,849.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Building Construction	9	413.00	93.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	83.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0389	0.0000	0.0389	5.8900e-003	0.0000	5.8900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0651	0.6620	0.3759	6.7000e-004		0.0333	0.0333		0.0310	0.0310	0.0000	59.9790	59.9790	0.0163	0.0000	60.3872
Total	0.0651	0.6620	0.3759	6.7000e-004	0.0389	0.0333	0.0722	5.8900e-003	0.0310	0.0369	0.0000	59.9790	59.9790	0.0163	0.0000	60.3872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0100e-003	0.1415	0.0283	3.6000e-004	7.9100e-003	5.2000e-004	8.4200e-003	2.1700e-003	4.9000e-004	2.6600e-003	0.0000	35.2577	35.2577	2.5900e-003	0.0000	35.3225
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	1.0000e-003	0.0109	3.0000e-005	2.8500e-003	2.0000e-005	2.8800e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.6527	2.6527	8.0000e-005	0.0000	2.6547
Total	5.2600e-003	0.1425	0.0391	3.9000e-004	0.0108	5.4000e-004	0.0113	2.9300e-003	5.1000e-004	3.4400e-003	0.0000	37.9104	37.9104	2.6700e-003	0.0000	37.9773

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0152	0.0000	0.0152	2.3000e-003	0.0000	2.3000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9700e-003	0.0346	0.3872	6.7000e-004		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	59.9789	59.9789	0.0163	0.0000	60.3872
Total	7.9700e-003	0.0346	0.3872	6.7000e-004	0.0152	1.0600e-003	0.0162	2.3000e-003	1.0600e-003	3.3600e-003	0.0000	59.9789	59.9789	0.0163	0.0000	60.3872

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0100e-003	0.1415	0.0283	3.6000e-004	7.9100e-003	5.2000e-004	8.4200e-003	2.1700e-003	4.9000e-004	2.6600e-003	0.0000	35.2577	35.2577	2.5900e-003	0.0000	35.3225
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	1.0000e-003	0.0109	3.0000e-005	2.8500e-003	2.0000e-005	2.8800e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.6527	2.6527	8.0000e-005	0.0000	2.6547
Total	5.2600e-003	0.1425	0.0391	3.9000e-004	0.0108	5.4000e-004	0.0113	2.9300e-003	5.1000e-004	3.4400e-003	0.0000	37.9104	37.9104	2.6700e-003	0.0000	37.9773

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0964	0.0000	0.0964	0.0530	0.0000	0.0530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0219	0.2306	0.1054	1.9000e-004		0.0119	0.0119		0.0110	0.0110	0.0000	16.7353	16.7353	5.2900e-003	0.0000	16.8677
Total	0.0219	0.2306	0.1054	1.9000e-004	0.0964	0.0119	0.1083	0.0530	0.0110	0.0639	0.0000	16.7353	16.7353	5.2900e-003	0.0000	16.8677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.1000e-004	3.3400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8162	0.8162	3.0000e-005	0.0000	0.8168
Total	3.9000e-004	3.1000e-004	3.3400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8162	0.8162	3.0000e-005	0.0000	0.8168

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0376	0.0000	0.0376	0.0207	0.0000	0.0207	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2800e-003	9.8800e-003	0.0988	1.9000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	16.7353	16.7353	5.2900e-003	0.0000	16.8677
Total	2.2800e-003	9.8800e-003	0.0988	1.9000e-004	0.0376	3.0000e-004	0.0379	0.0207	3.0000e-004	0.0210	0.0000	16.7353	16.7353	5.2900e-003	0.0000	16.8677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.1000e-004	3.3400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8162	0.8162	3.0000e-005	0.0000	0.8168

Total	3.9000e-004	3.1000e-004	3.3400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8162	0.8162	3.0000e-005	0.0000	0.8168
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3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0521	0.0000	0.0521	0.0258	0.0000	0.0258	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2126	0.1222	2.2000e-004		0.0105	0.0105		9.6400e-003	9.6400e-003	0.0000	19.9817	19.9817	6.3200e-003	0.0000	20.1398
Total	0.0194	0.2126	0.1222	2.2000e-004	0.0521	0.0105	0.0626	0.0258	9.6400e-003	0.0354	0.0000	19.9817	19.9817	6.3200e-003	0.0000	20.1398

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0173	0.6093	0.1218	1.5400e-003	0.1110	2.2200e-003	0.1132	0.0282	2.1300e-003	0.0304	0.0000	151.8477	151.8477	0.0112	0.0000	152.1268
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	5.4000e-004	4.3000e-004	4.7000e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.1478	1.1478	4.0000e-005	0.0000	1.1487
Total	0.0178	0.6098	0.1265	1.5500e-003	0.1122	2.2300e-003	0.1144	0.0286	2.1400e-003	0.0307	0.0000	152.9955	152.9955	0.0112	0.0000	153.2755

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7200e-003	0.0118	0.1332	2.2000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	19.9817	19.9817	6.3200e-003	0.0000	20.1397

Worker	1.5000e-003	1.1600e-003	0.0128	4.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	3.3366	3.3366	1.0000e-004	0.0000	3.3390
Total	0.0493	1.7107	0.3674	4.6200e-003	0.1315	5.4200e-003	0.1369	0.0353	5.1900e-003	0.0405	0.0000	454.2786	454.2786	0.0328	0.0000	455.0978

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0556	0.0000	0.0556	0.0294	0.0000	0.0294	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1700e-003	0.0354	0.3994	6.7000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	58.6321	58.6321	0.0190	0.0000	59.1062
Total	8.1700e-003	0.0354	0.3994	6.7000e-004	0.0556	1.0900e-003	0.0567	0.0294	1.0900e-003	0.0305	0.0000	58.6321	58.6321	0.0190	0.0000	59.1062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0478	1.7095	0.3546	4.5800e-003	0.1278	5.3900e-003	0.1332	0.0343	5.1600e-003	0.0395	0.0000	450.9420	450.9420	0.0327	0.0000	451.7587
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	1.1600e-003	0.0128	4.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	3.3366	3.3366	1.0000e-004	0.0000	3.3390
Total	0.0493	1.7107	0.3674	4.6200e-003	0.1315	5.4200e-003	0.1369	0.0353	5.1900e-003	0.0405	0.0000	454.2786	454.2786	0.0328	0.0000	455.0978

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2300	2.0817	1.8281	2.9200e-003		0.1212	0.1212		0.1140	0.1140	0.0000	251.2968	251.2968	0.0613	0.0000	252.8295

Total	0.2300	2.0817	1.8281	2.9200e-003		0.1212	0.1212		0.1140	0.1140	0.0000	251.2968	251.2968	0.0613	0.0000	252.8295
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0342	1.0820	0.2728	2.5500e-003	0.0636	5.2900e-003	0.0689	0.0184	5.0600e-003	0.0234	0.0000	246.8614	246.8614	0.0165	0.0000	247.2733
Worker	0.1995	0.1536	1.7000	4.9000e-003	0.4916	3.8200e-003	0.4955	0.1306	3.5200e-003	0.1341	0.0000	443.0098	443.0098	0.0128	0.0000	443.3287
Total	0.2336	1.2355	1.9728	7.4500e-003	0.5552	9.1100e-003	0.5643	0.1489	8.5800e-003	0.1575	0.0000	689.8712	689.8712	0.0292	0.0000	690.6020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0679	0.3040	1.9238	2.9200e-003		0.0135	0.0135		0.0135	0.0135	0.0000	251.2965	251.2965	0.0613	0.0000	252.8292
Total	0.0679	0.3040	1.9238	2.9200e-003		0.0135	0.0135		0.0135	0.0135	0.0000	251.2965	251.2965	0.0613	0.0000	252.8292

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0342	1.0820	0.2728	2.5500e-003	0.0636	5.2900e-003	0.0689	0.0184	5.0600e-003	0.0234	0.0000	246.8614	246.8614	0.0165	0.0000	247.2733
Worker	0.1995	0.1536	1.7000	4.9000e-003	0.4916	3.8200e-003	0.4955	0.1306	3.5200e-003	0.1341	0.0000	443.0098	443.0098	0.0128	0.0000	443.3287

Total	0.2336	1.2355	1.9728	7.4500e-003	0.5552	9.1100e-003	0.5643	0.1489	8.5800e-003	0.1575	0.0000	689.8712	689.8712	0.0292	0.0000	690.6020
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3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0349	1.1805	0.2984	3.0400e-003	0.0765	2.4000e-003	0.0789	0.0221	2.3000e-003	0.0244	0.0000	294.6822	294.6822	0.0190	0.0000	295.1571
Worker	0.2240	0.1663	1.8810	5.7000e-003	0.5913	4.4600e-003	0.5958	0.1570	4.1100e-003	0.1612	0.0000	515.6020	515.6020	0.0139	0.0000	515.9488
Total	0.2589	1.3468	2.1793	8.7400e-003	0.6678	6.8600e-003	0.6747	0.1791	6.4100e-003	0.1855	0.0000	810.2842	810.2842	0.0329	0.0000	811.1060

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0766	0.3575	2.3075	3.5100e-003		0.0146	0.0146		0.0146	0.0146	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.0766	0.3575	2.3075	3.5100e-003		0.0146	0.0146		0.0146	0.0146	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0349	1.1805	0.2984	3.0400e-003	0.0765	2.4000e-003	0.0789	0.0221	2.3000e-003	0.0244	0.0000	294.6822	294.6822	0.0190	0.0000	295.1571
Worker	0.2240	0.1663	1.8810	5.7000e-003	0.5913	4.4600e-003	0.5958	0.1570	4.1100e-003	0.1612	0.0000	515.6020	515.6020	0.0139	0.0000	515.9488
Total	0.2589	1.3468	2.1793	8.7400e-003	0.6678	6.8600e-003	0.6747	0.1791	6.4100e-003	0.1855	0.0000	810.2842	810.2842	0.0329	0.0000	811.1060

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0188	0.1718	0.1800	3.0000e-004		8.9000e-003	8.9000e-003		8.3700e-003	8.3700e-003	0.0000	25.4898	25.4898	6.1100e-003	0.0000	25.6424
Total	0.0188	0.1718	0.1800	3.0000e-004		8.9000e-003	8.9000e-003		8.3700e-003	8.3700e-003	0.0000	25.4898	25.4898	6.1100e-003	0.0000	25.6424

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.0944	0.0238	2.5000e-004	6.4500e-003	1.8000e-004	6.6200e-003	1.8600e-003	1.7000e-004	2.0300e-003	0.0000	24.6197	24.6197	1.5500e-003	0.0000	24.6583
Worker	0.0177	0.0127	0.1464	4.6000e-004	0.0498	3.7000e-004	0.0502	0.0132	3.4000e-004	0.0136	0.0000	41.9040	41.9040	1.0600e-003	0.0000	41.9304
Total	0.0205	0.1071	0.1702	7.1000e-004	0.0563	5.5000e-004	0.0568	0.0151	5.1000e-004	0.0156	0.0000	66.5237	66.5237	2.6100e-003	0.0000	66.5888

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1700e-003	0.0296	0.1943	3.0000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	25.4898	25.4898	6.1100e-003	0.0000	25.6424
Total	6.1700e-003	0.0296	0.1943	3.0000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	25.4898	25.4898	6.1100e-003	0.0000	25.6424

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.0944	0.0238	2.5000e-004	6.4500e-003	1.8000e-004	6.6200e-003	1.8600e-003	1.7000e-004	2.0300e-003	0.0000	24.6197	24.6197	1.5500e-003	0.0000	24.6583
Worker	0.0177	0.0127	0.1464	4.6000e-004	0.0498	3.7000e-004	0.0502	0.0132	3.4000e-004	0.0136	0.0000	41.9040	41.9040	1.0600e-003	0.0000	41.9304
Total	0.0205	0.1071	0.1702	7.1000e-004	0.0563	5.5000e-004	0.0568	0.0151	5.1000e-004	0.0156	0.0000	66.5237	66.5237	2.6100e-003	0.0000	66.5888

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3070					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7500e-003	0.0539	0.0586	1.0000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003	0.0000	8.1704	8.1704	6.3000e-004	0.0000	8.1862
Total	0.3147	0.0539	0.0586	1.0000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003	0.0000	8.1704	8.1704	6.3000e-004	0.0000	8.1862

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0118	9.1000e-003	0.1008	2.9000e-004	0.0291	2.3000e-004	0.0294	7.7400e-003	2.1000e-004	7.9500e-003	0.0000	26.2580	26.2580	7.6000e-004	0.0000	26.2769
Total	0.0118	9.1000e-003	0.1008	2.9000e-004	0.0291	2.3000e-004	0.0294	7.7400e-003	2.1000e-004	7.9500e-003	0.0000	26.2580	26.2580	7.6000e-004	0.0000	26.2769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3070					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5000e-004	4.1200e-003	0.0586	1.0000e-004		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	8.1704	8.1704	6.3000e-004	0.0000	8.1862
Total	0.3079	4.1200e-003	0.0586	1.0000e-004		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	8.1704	8.1704	6.3000e-004	0.0000	8.1862

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0118	9.1000e-003	0.1008	2.9000e-004	0.0291	2.3000e-004	0.0294	7.7400e-003	2.1000e-004	7.9500e-003	0.0000	26.2580	26.2580	7.6000e-004	0.0000	26.2769
Total	0.0118	9.1000e-003	0.1008	2.9000e-004	0.0291	2.3000e-004	0.0294	7.7400e-003	2.1000e-004	7.9500e-003	0.0000	26.2580	26.2580	7.6000e-004	0.0000	26.2769

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2519					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	1.2804	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0334	0.3780	1.1500e-003	0.1188	9.0000e-004	0.1197	0.0316	8.3000e-004	0.0324	0.0000	103.6198	103.6198	2.7900e-003	0.0000	103.6895
Total	0.0450	0.0334	0.3780	1.1500e-003	0.1188	9.0000e-004	0.1197	0.0316	8.3000e-004	0.0324	0.0000	103.6198	103.6198	2.7900e-003	0.0000	103.6895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2519					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771
Total	1.2557	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0334	0.3780	1.1500e-003	0.1188	9.0000e-004	0.1197	0.0316	8.3000e-004	0.0324	0.0000	103.6198	103.6198	2.7900e-003	0.0000	103.6895
Total	0.0450	0.0334	0.3780	1.1500e-003	0.1188	9.0000e-004	0.1197	0.0316	8.3000e-004	0.0324	0.0000	103.6198	103.6198	2.7900e-003	0.0000	103.6895

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2500e-003	0.0155	0.0200	3.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	2.8086	2.8086	1.8000e-004	0.0000	2.8132
Total	0.1078	0.0155	0.0200	3.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	2.8086	2.8086	1.8000e-004	0.0000	2.8132

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5600e-003	2.5400e-003	0.0294	9.0000e-005	0.0100	7.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4214	8.4214	2.1000e-004	0.0000	8.4267
Total	3.5600e-003	2.5400e-003	0.0294	9.0000e-005	0.0100	7.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4214	8.4214	2.1000e-004	0.0000	8.4267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3000e-004	1.4200e-003	0.0202	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.8086	2.8086	1.8000e-004	0.0000	2.8132
Total	0.1059	1.4200e-003	0.0202	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.8086	2.8086	1.8000e-004	0.0000	2.8132

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5600e-003	2.5400e-003	0.0294	9.0000e-005	0.0100	7.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4214	8.4214	2.1000e-004	0.0000	8.4267
Total	3.5600e-003	2.5400e-003	0.0294	9.0000e-005	0.0100	7.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4214	8.4214	2.1000e-004	0.0000	8.4267

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0602	0.5962	0.6743	1.0400e-003		0.0318	0.0318		0.0294	0.0294	0.0000	90.0384	90.0384	0.0283	0.0000	90.7457
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0602	0.5962	0.6743	1.0400e-003		0.0318	0.0318		0.0294	0.0294	0.0000	90.0384	90.0384	0.0283	0.0000	90.7457

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5700e-003	3.3900e-003	0.0384	1.2000e-004	0.0121	9.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.5232	10.5232	2.8000e-004	0.0000	10.5303
Total	4.5700e-003	3.3900e-003	0.0384	1.2000e-004	0.0121	9.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.5232	10.5232	2.8000e-004	0.0000	10.5303

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0121	0.0523	0.7443	1.0400e-003		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	90.0383	90.0383	0.0283	0.0000	90.7456
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0121	0.0523	0.7443	1.0400e-003		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	90.0383	90.0383	0.0283	0.0000	90.7456

Mitigated Construction Off-Site

[illegible]

Worker	4.5700e-003	3.3900e-003	0.0384	1.2000e-004	0.0121	9.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.5232	10.5232	2.8000e-004	0.0000	10.5303
Total	4.5700e-003	3.3900e-003	0.0384	1.2000e-004	0.0121	9.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.5232	10.5232	2.8000e-004	0.0000	10.5303

3.7 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.1047	0.1341	2.1000e-004		5.3600e-003	5.3600e-003		4.9500e-003	4.9500e-003	0.0000	18.0135	18.0135	5.6600e-003	0.0000	18.1549
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0107	0.1047	0.1341	2.1000e-004		5.3600e-003	5.3600e-003		4.9500e-003	4.9500e-003	0.0000	18.0135	18.0135	5.6600e-003	0.0000	18.1549

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	6.1000e-004	7.0900e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0293	2.0293	5.0000e-005	0.0000	2.0305
Total	8.6000e-004	6.1000e-004	7.0900e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0293	2.0293	5.0000e-005	0.0000	2.0305

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.4100e-003	0.0105	0.1489	2.1000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.0134	18.0134	5.6600e-003	0.0000	18.1549

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.4100e-003	0.0105	0.1489	2.1000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.0134	18.0134	5.6600e-003	0.0000	18.1549

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	6.1000e-004	7.0900e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0293	2.0293	5.0000e-005	0.0000	2.0305
Total	8.6000e-004	6.1000e-004	7.0900e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0293	2.0293	5.0000e-005	0.0000	2.0305

Project Construction Emissions: Phase 2

last update:

Land Use	CalEEMod Land Use Type	Units ^a		Res. Pop.
Existing Uses				
General Office	General Office	34.67 ksf	34,670 sf	
Parking	Parking	142 spaces	56,800 sf	
Project				
Residential	Mid-Rise Apartments	199 DU	218,088 sf	
<i>Studio</i>		29 DU		
<i>1-Bedroom</i>		120 DU		
<i>2-Bedroom</i>		45 DU		
<i>3-Bedroom</i>		5 DU		
Work/Live	General Office	5.6 ksf	5,639 sf	
Work/Live	Residential	5.0 DU	5,804 sf	
Restaurant	Restaurant	3.3 ksf	3,265 sf	
Above-Grade Parking	Unenclosed Parking with Elevator	214 spaces	85,600 sf	
Subterranean Parking	Enclosed Parking with Elevator	107 spaces	42,800 sf	
Lot Area		2.1 acres	232,796 sf	

a. Square footage values may be rounded up to provide a conservative analysis.

[illegible]

Burbank De Soto Phase 2 Construction - Los Angeles-South Coast County, Annual

Burbank De Soto Phase 2 Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.64	1000sqft	0.03	5,639.00	0
Enclosed Parking with Elevator	107.00	Space	0.25	42,800.00	0
Unenclosed Parking with Elevator	214.00	Space	0.50	85,600.00	0
High Turnover (Sit Down Restaurant)	3.27	1000sqft	0.02	3,265.00	0
Apartments Mid Rise	204.00	Dwelling Unit	1.30	223,892.00	583

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
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

Project Characteristics -

Land Use - Estimated building footprint acreage

Construction Phase - See construction assumptions

Trips and VMT - See construction assumptions

Demolition -

Grading - Acreage of site

Architectural Coating - See construction assumptions

Construction Off-road Equipment Mitigation - Tier 4 per the EIR's mitigation

[illegible]

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	151.00
tblConstructionPhase	NumDays	220.00	238.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	6.00	40.00
tblConstructionPhase	NumDays	10.00	62.00
tblConstructionPhase	NumDays	3.00	30.00
tblGrading	AcresOfGrading	20.00	2.10
tblGrading	AcresOfGrading	45.00	0.00
tblGrading	MaterialExported	0.00	40,647.00
tblLandUse	LandUseSquareFeet	5,640.00	5,639.00
tblLandUse	LandUseSquareFeet	3,270.00	3,265.00
tblLandUse	LandUseSquareFeet	204,000.00	223,892.00
tblLandUse	LotAcreage	0.13	0.03
tblLandUse	LotAcreage	0.96	0.25
tblLandUse	LotAcreage	1.93	0.50
tblLandUse	LotAcreage	0.08	0.02
tblLandUse	LotAcreage	5.37	1.30
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	214.00	540.00
tblTripsAndVMT	HaulingTripNumber	5,081.00	8,130.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.8810	4.5531	3.7371	0.0112	0.7430	0.1534	0.8964	0.3067	0.1432	0.4499	0.0000	1,025.8483	1,025.8483	0.1436	0.0000	1,029.4383
2023	0.4448	0.9901	1.3982	2.9500e-003	0.1001	0.0437	0.1438	0.0268	0.0409	0.0677	0.0000	262.4921	262.4921	0.0446	0.0000	263.6067
Maximum	0.8810	4.5531	3.7371	0.0112	0.7430	0.1534	0.8964	0.3067	0.1432	0.4499	0.0000	1,025.8483	1,025.8483	0.1436	0.0000	1,029.4383

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6538	1.9810	3.9672	0.0112	0.4880	0.0210	0.5090	0.1730	0.0205	0.1935	0.0000	1,025.8478	1,025.8478	0.1436	0.0000	1,029.4378
2023	0.3784	0.2514	1.5208	2.9500e-003	0.1001	5.1900e-003	0.1053	0.0268	5.1300e-003	0.0319	0.0000	262.4919	262.4919	0.0446	0.0000	263.6065
Maximum	0.6538	1.9810	3.9672	0.0112	0.4880	0.0210	0.5090	0.1730	0.0205	0.1935	0.0000	1,025.8478	1,025.8478	0.1436	0.0000	1,029.4378

	ROG	NOx	CO	SO2	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	22.14	59.73	-6.87	0.00	30.24	86.71	40.94	40.08	86.10	56.45	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2022	5-31-2022	1.6748	1.1786
2	6-1-2022	8-31-2022	0.7558	0.2930
3	9-1-2022	11-30-2022	1.1346	0.6301
4	12-1-2022	2-28-2023	1.3429	0.6369
5	3-1-2023	5-31-2023	0.4745	0.2079
		Highest	1.6748	1.1786

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	1/15/2022	2/27/2022	5	30	
2	Site Preparation	Site Preparation	1/15/2022	2/27/2022	5	30	
3	Grading	Grading	2/28/2022	4/22/2022	5	40	
4	Building Construction	Building Construction	5/2/2022	3/29/2023	5	238	
5	Architectural Coating	Architectural Coating	8/31/2022	3/29/2023	5	151	
6	Paving	Paving	1/3/2023	3/29/2023	5	62	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.1

Acres of Paving: 0.75

Residential Indoor: 441,628; Residential Outdoor: 147,209; Non-Residential Indoor: 17,360; Non-Residential Outdoor: 7,354; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
------------	------------------------	--------	-------------	-------------	-------------

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	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	9	23.00	0.00	540.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	8,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Building Construction	9	204.00	44.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	41.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0231	0.0000	0.0231	3.5000e-003	0.0000	3.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0470	0.4612	0.4096	7.2000e-004		0.0227	0.0227		0.0211	0.0211	0.0000	63.2829	63.2829	0.0183	0.0000	63.7404
Total	0.0470	0.4612	0.4096	7.2000e-004	0.0231	0.0227	0.0458	3.5000e-003	0.0211	0.0246	0.0000	63.2829	63.2829	0.0183	0.0000	63.7404

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1600e-003	0.0694	0.0172	2.1000e-004	4.6400e-003	1.9000e-004	4.8400e-003	1.2700e-003	1.9000e-004	1.4600e-003	0.0000	20.3372	20.3372	1.4100e-003	0.0000	20.3724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3900e-003	1.0400e-003	0.0120	4.0000e-005	3.7800e-003	3.0000e-005	3.8100e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.2918	3.2918	9.0000e-005	0.0000	3.2941
Total	3.5500e-003	0.0704	0.0293	2.5000e-004	8.4200e-003	2.2000e-004	8.6500e-003	2.2700e-003	2.2000e-004	2.4900e-003	0.0000	23.6291	23.6291	1.5000e-003	0.0000	23.6665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0200e-003	0.0000	9.0200e-003	1.3700e-003	0.0000	1.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6400e-003	0.0375	0.4546	7.2000e-004		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	63.2828	63.2828	0.0183	0.0000	63.7403
Total	8.6400e-003	0.0375	0.4546	7.2000e-004	9.0200e-003	1.1500e-003	0.0102	1.3700e-003	1.1500e-003	2.5200e-003	0.0000	63.2828	63.2828	0.0183	0.0000	63.7403

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1600e-003	0.0694	0.0172	2.1000e-004	4.6400e-003	1.9000e-004	4.8400e-003	1.2700e-003	1.9000e-004	1.4600e-003	0.0000	20.3372	20.3372	1.4100e-003	0.0000	20.3724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3900e-003	1.0400e-003	0.0120	4.0000e-005	3.7800e-003	3.0000e-005	3.8100e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.2918	3.2918	9.0000e-005	0.0000	3.2941
Total	3.5500e-003	0.0704	0.0293	2.5000e-004	8.4200e-003	2.2000e-004	8.6500e-003	2.2700e-003	2.2000e-004	2.4900e-003	0.0000	23.6291	23.6291	1.5000e-003	0.0000	23.6665

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0661	0.7093	0.4169	9.0000e-004		0.0319	0.0319		0.0294	0.0294	0.0000	78.8929	78.8929	0.0255	0.0000	79.5308
Total	0.0661	0.7093	0.4169	9.0000e-004	0.2710	0.0319	0.3029	0.1490	0.0294	0.1783	0.0000	78.8929	78.8929	0.0255	0.0000	79.5308

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3900e-003	1.0400e-003	0.0120	4.0000e-005	3.7800e-003	3.0000e-005	3.8100e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.2918	3.2918	9.0000e-005	0.0000	3.2941
Total	1.3900e-003	1.0400e-003	0.0120	4.0000e-005	3.7800e-003	3.0000e-005	3.8100e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.2918	3.2918	9.0000e-005	0.0000	3.2941

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0135	0.0845	0.4508	9.0000e-004		2.6400e-003	2.6400e-003		2.5400e-003	2.5400e-003	0.0000	78.8928	78.8928	0.0255	0.0000	79.5307
Total	0.0135	0.0845	0.4508	9.0000e-004	0.1057	2.6400e-003	0.1083	0.0581	2.5400e-003	0.0606	0.0000	78.8928	78.8928	0.0255	0.0000	79.5307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3900e-003	1.0400e-003	0.0120	4.0000e-005	3.7800e-003	3.0000e-005	3.8100e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.2918	3.2918	9.0000e-005	0.0000	3.2941

Total	1.3900e-003	1.0400e-003	0.0120	4.0000e-005	3.7800e-003	3.0000e-005	3.8100e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.2918	3.2918	9.0000e-005	0.0000	3.2941
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3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1239	0.0000	0.1239	0.0667	0.0000	0.0667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.4171	0.3055	5.9000e-004		0.0188	0.0188		0.0173	0.0173	0.0000	52.1095	52.1095	0.0169	0.0000	52.5309
Total	0.0390	0.4171	0.3055	5.9000e-004	0.1239	0.0188	0.1427	0.0667	0.0173	0.0840	0.0000	52.1095	52.1095	0.0169	0.0000	52.5309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0326	1.0444	0.2595	3.1100e-003	0.0699	2.9300e-003	0.0728	0.0192	2.8000e-003	0.0220	0.0000	306.1885	306.1885	0.0212	0.0000	306.7179
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	9.1000e-004	0.0105	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.8625	2.8625	8.0000e-005	0.0000	2.8644
Total	0.0338	1.0453	0.2699	3.1400e-003	0.0732	2.9600e-003	0.0761	0.0201	2.8200e-003	0.0229	0.0000	309.0510	309.0510	0.0213	0.0000	309.5823

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0483	0.0000	0.0483	0.0260	0.0000	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.0805	0.3425	5.9000e-004		2.5300e-003	2.5300e-003		2.4000e-003	2.4000e-003	0.0000	52.1095	52.1095	0.0169	0.0000	52.5308

Total	0.0106	0.0805	0.3425	5.9000e-004	0.0483	2.5300e-003	0.0508	0.0260	2.4000e-003	0.0284	0.0000	52.1095	52.1095	0.0169	0.0000	52.5308
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0326	1.0444	0.2595	3.1100e-003	0.0699	2.9300e-003	0.0728	0.0192	2.8000e-003	0.0220	0.0000	306.1885	306.1885	0.0212	0.0000	306.7179
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	9.1000e-004	0.0105	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.8625	2.8625	8.0000e-005	0.0000	2.8644
Total	0.0338	1.0453	0.2699	3.1400e-003	0.0732	2.9600e-003	0.0761	0.0201	2.8200e-003	0.0229	0.0000	309.0510	309.0510	0.0213	0.0000	309.5823

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1493	1.3664	1.4318	2.3600e-003		0.0708	0.0708		0.0666	0.0666	0.0000	202.7596	202.7596	0.0486	0.0000	203.9740
Total	0.1493	1.3664	1.4318	2.3600e-003		0.0708	0.0708		0.0666	0.0666	0.0000	202.7596	202.7596	0.0486	0.0000	203.9740

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.3610	0.0975	9.7000e-004	0.0243	6.8000e-004	0.0249	7.0000e-003	6.5000e-004	7.6500e-003	0.0000	94.0676	94.0676	5.6200e-003	0.0000	94.2081
Worker	0.0720	0.0540	0.6220	1.8800e-003	0.1956	1.5600e-003	0.1972	0.0520	1.4400e-003	0.0534	0.0000	170.3166	170.3166	4.6900e-003	0.0000	170.4339

Total	0.0832	0.4150	0.7194	2.8500e-003	0.2199	2.2400e-003	0.2221	0.0590	2.0900e-003	0.0610	0.0000	264.3843	264.3843	0.0103	0.0000	264.6420
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0491	0.2357	1.5452	2.3600e-003		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	202.7594	202.7594	0.0486	0.0000	203.9737
Total	0.0491	0.2357	1.5452	2.3600e-003		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	202.7594	202.7594	0.0486	0.0000	203.9737

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.3610	0.0975	9.7000e-004	0.0243	6.8000e-004	0.0249	7.0000e-003	6.5000e-004	7.6500e-003	0.0000	94.0676	94.0676	5.6200e-003	0.0000	94.2081
Worker	0.0720	0.0540	0.6220	1.8800e-003	0.1956	1.5600e-003	0.1972	0.0520	1.4400e-003	0.0534	0.0000	170.3166	170.3166	4.6900e-003	0.0000	170.4339
Total	0.0832	0.4150	0.7194	2.8500e-003	0.2199	2.2400e-003	0.2221	0.0590	2.0900e-003	0.0610	0.0000	264.3843	264.3843	0.0103	0.0000	264.6420

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0495	0.4531	0.5117	8.5000e-004		0.0220	0.0220		0.0207	0.0207	0.0000	73.0185	73.0185	0.0174	0.0000	73.4527
Total	0.0495	0.4531	0.5117	8.5000e-004		0.0220	0.0220		0.0207	0.0207	0.0000	73.0185	73.0185	0.0174	0.0000	73.4527

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-003	0.0982	0.0315	3.4000e-004	8.7300e-003	1.1000e-004	8.8500e-003	2.5200e-003	1.1000e-004	2.6300e-003	0.0000	32.8042	32.8042	1.7900e-003	0.0000	32.8489
Worker	0.0244	0.0176	0.2059	6.5000e-004	0.0704	5.5000e-004	0.0710	0.0187	5.0000e-004	0.0192	0.0000	59.0703	59.0703	1.5200e-003	0.0000	59.1084
Total	0.0274	0.1158	0.2374	9.9000e-004	0.0792	6.6000e-004	0.0798	0.0212	6.1000e-004	0.0218	0.0000	91.8745	91.8745	3.3100e-003	0.0000	91.9572

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0170	0.0835	0.5557	8.5000e-004		2.9300e-003	2.9300e-003		2.9300e-003	2.9300e-003	0.0000	73.0184	73.0184	0.0174	0.0000	73.4527
Total	0.0170	0.0835	0.5557	8.5000e-004		2.9300e-003	2.9300e-003		2.9300e-003	2.9300e-003	0.0000	73.0184	73.0184	0.0174	0.0000	73.4527

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-003	0.0982	0.0315	3.4000e-004	8.7300e-003	1.1000e-004	8.8500e-003	2.5200e-003	1.1000e-004	2.6300e-003	0.0000	32.8042	32.8042	1.7900e-003	0.0000	32.8489
Worker	0.0244	0.0176	0.2059	6.5000e-004	0.0704	5.5000e-004	0.0710	0.0187	5.0000e-004	0.0192	0.0000	59.0703	59.0703	1.5200e-003	0.0000	59.1084
Total	0.0274	0.1158	0.2374	9.9000e-004	0.0792	6.6000e-004	0.0798	0.0212	6.1000e-004	0.0218	0.0000	91.8745	91.8745	3.3100e-003	0.0000	91.9572

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-003	0.0620	0.0798	1.3000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	11.2343	11.2343	7.3000e-004	0.0000	11.2526
Total	0.4504	0.0620	0.0798	1.3000e-004		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	11.2343	11.2343	7.3000e-004	0.0000	11.2526

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2800e-003	5.4600e-003	0.0629	1.9000e-004	0.0198	1.6000e-004	0.0199	5.2500e-003	1.5000e-004	5.4000e-003	0.0000	17.2130	17.2130	4.7000e-004	0.0000	17.2248
Total	7.2800e-003	5.4600e-003	0.0629	1.9000e-004	0.0198	1.6000e-004	0.0199	5.2500e-003	1.5000e-004	5.4000e-003	0.0000	17.2130	17.2130	4.7000e-004	0.0000	17.2248

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	5.6700e-003	0.0806	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	11.2343	11.2343	7.3000e-004	0.0000	11.2526
Total	0.4427	5.6700e-003	0.0806	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	11.2343	11.2343	7.3000e-004	0.0000	11.2526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2800e-003	5.4600e-003	0.0629	1.9000e-004	0.0198	1.6000e-004	0.0199	5.2500e-003	1.5000e-004	5.4000e-003	0.0000	17.2130	17.2130	4.7000e-004	0.0000	17.2248
Total	7.2800e-003	5.4600e-003	0.0629	1.9000e-004	0.0198	1.6000e-004	0.0199	5.2500e-003	1.5000e-004	5.4000e-003	0.0000	17.2130	17.2130	4.7000e-004	0.0000	17.2248

3.6 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	tons/yr										MT/yr					
Archit. Coating	0.3160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0400e-003	0.0410	0.0571	9.0000e-005		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	8.0428	8.0428	4.8000e-004	0.0000	8.0548
Total	0.3221	0.0410	0.0571	9.0000e-005		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	8.0428	8.0428	4.8000e-004	0.0000	8.0548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-003	3.5300e-003	0.0414	1.3000e-004	0.0142	1.1000e-004	0.0143	3.7600e-003	1.0000e-004	3.8600e-003	0.0000	11.8720	11.8720	3.1000e-004	0.0000	11.8796

Worker	2.3500e-003	1.7000e-003	0.0199	6.0000e-005	6.7900e-003	5.0000e-005	6.8500e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	5.6993	5.6993	1.5000e-004	0.0000	5.7030
Total	2.3500e-003	1.7000e-003	0.0199	6.0000e-005	6.7900e-003	5.0000e-005	6.8500e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	5.6993	5.6993	1.5000e-004	0.0000	5.7030

Project Construction Emissions: Phase 3

Land Use	CalEEMod Land Use Type	Units ^a		Res. Pop.
Existing Uses				
General Office	Office	60.00 ksf	60,000 sf	
Parking	Parking	189 spaces	75,600 sf	
Project				
Building 8		242 ksf	241,574 sf	
Office	General Office	234 ksf	234,397 sf	
Office/Retail	Retail	4.9 ksf	4,864 sf	
Office Support	General Office	2.3 ksf	2,313 sf	
Building 9		235 ksf	234,584 sf	
Office	General Office	222 ksf	222,065 sf	
Office/Retail	Retail	10 ksf	10,028 sf	
Office Support	General Office	2.5 ksf	2,491 sf	
Total		476 ksf	476,158 sf	
Above-Grade Parking	Unenclosed Parking with Elevator	1,070 spaces	428,000 sf	
Subterranean Parking	Enclosed Parking with Elevator	357 spaces	142,800 sf	
Lot Area		3.10 acres	1,046,958 sf	

a. Square footage values may be rounded up to provide a conservative analysis.

[illegible]

Burbank De Soto Phase 3 Construction - Los Angeles-South Coast County, Annual

Burbank De Soto Phase 3 Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	236.71	1000sqft	0.70	236,710.00	0
General Office Building	224.56	1000sqft	0.67	224,556.00	0
Enclosed Parking with Elevator	357.00	Space	0.42	142,800.00	0
Unenclosed Parking with Elevator	1,070.00	Space	1.27	428,000.00	0
Strip Mall	14.89	1000sqft	0.04	14,892.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
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

Project Characteristics -

Land Use - Acreages proportional to lot area

Trips and VMT - See construction assumptions

Demolition -

Grading - Acreage of site

Construction Off-road Equipment Mitigation - Tier 4 per EIR mitigation

Construction Phase - See assumptions

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	175.00

tblConstructionPhase	NumDays	230.00	370.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	8.00	45.00
tblConstructionPhase	NumDays	18.00	132.00
tblConstructionPhase	NumDays	5.00	30.00
tblGrading	AcresOfGrading	112.50	3.10
tblGrading	MaterialExported	0.00	89,187.00
tblLandUse	LandUseSquareFeet	224,560.00	224,556.00
tblLandUse	LandUseSquareFeet	14,890.00	14,892.00
tblLandUse	LotAcreage	5.16	0.67
tblLandUse	LotAcreage	5.43	0.70
tblLandUse	LotAcreage	3.21	0.42
tblLandUse	LotAcreage	9.63	1.27
tblLandUse	LotAcreage	0.34	0.04
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	346.00	880.00
tblTripsAndVMT	HaulingTripNumber	11,148.00	17,838.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4246	4.8887	3.8979	0.0166	0.9714	0.1175	1.0889	0.3715	0.1093	0.4808	0.0000	1,557.6512	1,557.6512	0.1720	0.0000	1,561.9507

2024	2.8019	4.0754	5.3487	0.0157	0.7369	0.1220	0.8589	0.1987	0.1143	0.3131	0.0000	1,435.2235	1,435.2235	0.1544	0.0000	1,439.0823
Maximum	2.8019	4.8887	5.3487	0.0166	0.9714	0.1220	1.0889	0.3715	0.1143	0.4808	0.0000	1,557.6512	1,557.6512	0.1720	0.0000	1,561.9507

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2397	2.7489	4.1939	0.0166	0.6966	0.0162	0.7128	0.2311	0.0158	0.2470	0.0000	1,557.6508	1,557.6508	0.1720	0.0000	1,561.9502
2024	2.6208	2.0470	5.7091	0.0157	0.7369	0.0211	0.7580	0.1987	0.0207	0.2194	0.0000	1,435.2230	1,435.2230	0.1544	0.0000	1,439.0817
Maximum	2.6208	2.7489	5.7091	0.0166	0.7369	0.0211	0.7580	0.2311	0.0207	0.2470	0.0000	1,557.6508	1,557.6508	0.1720	0.0000	1,561.9502

	ROG	NOx	CO	SO2	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	11.34	46.50	-7.10	0.00	16.09	84.42	24.49	24.61	83.67	41.25	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-20-2023	6-19-2023	2.7654	1.4274
2	6-20-2023	9-19-2023	1.3416	0.8275
3	9-20-2023	12-19-2023	1.0077	0.5927
4	12-20-2023	3-19-2024	0.9727	0.5855
5	3-20-2024	6-19-2024	1.9961	1.3914
6	6-20-2024	9-19-2024	2.3128	1.5429
7	9-20-2024	9-30-2024	0.2765	0.1845
		Highest	2.7654	1.5429

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	3/20/2023	4/30/2023	5	30	
2	Site Preparation	Site Preparation	3/20/2023	4/30/2023	5	30	
3	Grading	Grading	5/1/2023	7/1/2023	5	45	
4	Building Construction	Building Construction	7/1/2023	11/29/2024	5	370	
5	Architectural Coating	Architectural Coating	4/1/2024	12/1/2024	5	175	
6	Paving	Paving	5/2/2024	11/1/2024	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.1

Acres of Paving: 1.69

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 714,237; Non-Residential Outdoor: 238,079; Striped Parking Area:

OffRoad Equipment

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

Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	17,838.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	392.00	172.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	78.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0374	0.0000	0.0374	5.6600e-003	0.0000	5.6600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0340	0.3223	0.2947	5.8000e-004		0.0150	0.0150		0.0139	0.0139	0.0000	50.9881	50.9881	0.0143	0.0000	51.3451
Total	0.0340	0.3223	0.2947	5.8000e-004	0.0374	0.0150	0.0524	5.6600e-003	0.0139	0.0196	0.0000	50.9881	50.9881	0.0143	0.0000	51.3451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3100e-003	0.0742	0.0255	3.2000e-004	7.5600e-003	1.3000e-004	7.7000e-003	2.0800e-003	1.3000e-004	2.2000e-003	0.0000	31.7619	31.7619	2.1300e-003	0.0000	31.8151
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.2000e-004	7.2100e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4800e-003	6.5000e-004	2.0000e-005	6.7000e-004	0.0000	2.0683	2.0683	5.0000e-005	0.0000	2.0696
Total	3.1600e-003	0.0748	0.0327	3.4000e-004	0.0100	1.5000e-004	0.0102	2.7300e-003	1.5000e-004	2.8700e-003	0.0000	33.8302	33.8302	2.1800e-003	0.0000	33.8847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0146	0.0000	0.0146	2.2100e-003	0.0000	2.2100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9300e-003	0.0301	0.3492	5.8000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	50.9880	50.9880	0.0143	0.0000	51.3450
Total	6.9300e-003	0.0301	0.3492	5.8000e-004	0.0146	9.2000e-004	0.0155	2.2100e-003	9.2000e-004	3.1300e-003	0.0000	50.9880	50.9880	0.0143	0.0000	51.3450

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3100e-003	0.0742	0.0255	3.2000e-004	7.5600e-003	1.3000e-004	7.7000e-003	2.0800e-003	1.3000e-004	2.2000e-003	0.0000	31.7619	31.7619	2.1300e-003	0.0000	31.8151
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.2000e-004	7.2100e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4800e-003	6.5000e-004	2.0000e-005	6.7000e-004	0.0000	2.0683	2.0683	5.0000e-005	0.0000	2.0696

Total	3.1600e-003	0.0748	0.0327	3.4000e-004	0.0100	1.5000e-004	0.0102	2.7300e-003	1.5000e-004	2.8700e-003	0.0000	33.8302	33.8302	2.1800e-003	0.0000	33.8847
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3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4129	0.2737	5.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	50.1760	50.1760	0.0162	0.0000	50.5817
Total	0.0399	0.4129	0.2737	5.7000e-004	0.2710	0.0190	0.2900	0.1490	0.0175	0.1664	0.0000	50.1760	50.1760	0.0162	0.0000	50.5817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	7.4000e-004	8.6500e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.4820	2.4820	6.0000e-005	0.0000	2.4835
Total	1.0200e-003	7.4000e-004	8.6500e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.4820	2.4820	6.0000e-005	0.0000	2.4835

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9800e-003	0.0303	0.3130	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	50.1760	50.1760	0.0162	0.0000	50.5817

Worker	1.7100e-003	1.2300e-003	0.0144	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3400e-003	0.0000	4.1366	4.1366	1.1000e-004	0.0000	4.1392
Total	0.0486	1.5047	0.5309	6.5700e-003	0.1582	2.7300e-003	0.1610	0.0434	2.6100e-003	0.0460	0.0000	647.9645	647.9645	0.0433	0.0000	649.0457

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0555	0.0000	0.0555	0.0294	0.0000	0.0294	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.0743	0.7425	1.4000e-003		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003	0.0000	122.7041	122.7041	0.0397	0.0000	123.6962
Total	0.0171	0.0743	0.7425	1.4000e-003	0.0555	2.2800e-003	0.0577	0.0294	2.2800e-003	0.0317	0.0000	122.7041	122.7041	0.0397	0.0000	123.6962

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0469	1.5035	0.5165	6.5200e-003	0.1533	2.6900e-003	0.1560	0.0421	2.5700e-003	0.0447	0.0000	643.8279	643.8279	0.0431	0.0000	644.9064
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.2300e-003	0.0144	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3400e-003	0.0000	4.1366	4.1366	1.1000e-004	0.0000	4.1392
Total	0.0486	1.5047	0.5309	6.5700e-003	0.1582	2.7300e-003	0.1610	0.0434	2.6100e-003	0.0460	0.0000	647.9645	647.9645	0.0433	0.0000	649.0457

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6731	150.6731	0.0358	0.0000	151.5692

Total	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6731	150.6731	0.0358	0.0000	151.5692
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0242	0.7920	0.2539	2.7200e-003	0.0704	9.2000e-004	0.0714	0.0203	8.8000e-004	0.0212	0.0000	264.6110	264.6110	0.0144	0.0000	264.9714
Worker	0.0967	0.0697	0.8164	2.5900e-003	0.2792	2.1700e-003	0.2814	0.0742	1.9900e-003	0.0762	0.0000	234.2222	234.2222	6.0300e-003	0.0000	234.3730
Total	0.1209	0.8617	1.0703	5.3100e-003	0.3496	3.0900e-003	0.3527	0.0945	2.8700e-003	0.0974	0.0000	498.8332	498.8332	0.0205	0.0000	499.3444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0350	0.1723	1.1467	1.7500e-003		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	150.6729	150.6729	0.0358	0.0000	151.5690
Total	0.0350	0.1723	1.1467	1.7500e-003		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	150.6729	150.6729	0.0358	0.0000	151.5690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0242	0.7920	0.2539	2.7200e-003	0.0704	9.2000e-004	0.0714	0.0203	8.8000e-004	0.0212	0.0000	264.6110	264.6110	0.0144	0.0000	264.9714
Worker	0.0967	0.0697	0.8164	2.5900e-003	0.2792	2.1700e-003	0.2814	0.0742	1.9900e-003	0.0762	0.0000	234.2222	234.2222	6.0300e-003	0.0000	234.3730

Total	0.1209	0.8617	1.0703	5.3100e-003	0.3496	3.0900e-003	0.3527	0.0945	2.8700e-003	0.0974	0.0000	498.8332	498.8332	0.0205	0.0000	499.3444
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3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1766	1.6133	1.9400	3.2300e-003		0.0736	0.0736		0.0692	0.0692	0.0000	278.2189	278.2189	0.0658	0.0000	279.8637
Total	0.1766	1.6133	1.9400	3.2300e-003		0.0736	0.0736		0.0692	0.0692	0.0000	278.2189	278.2189	0.0658	0.0000	279.8637

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0436	1.4566	0.4544	5.0000e-003	0.1300	1.6800e-003	0.1317	0.0375	1.6100e-003	0.0391	0.0000	486.5664	486.5664	0.0262	0.0000	487.2220
Worker	0.1690	0.1174	1.4036	4.6300e-003	0.5155	3.9400e-003	0.5194	0.1369	3.6300e-003	0.1405	0.0000	419.0029	419.0029	0.0102	0.0000	419.2580
Total	0.2126	1.5740	1.8580	9.6300e-003	0.6455	5.6200e-003	0.6511	0.1744	5.2400e-003	0.1797	0.0000	905.5693	905.5693	0.0364	0.0000	906.4800

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0624	0.3134	2.1153	3.2300e-003		0.0102	0.0102		0.0102	0.0102	0.0000	278.2186	278.2186	0.0658	0.0000	279.8634
Total	0.0624	0.3134	2.1153	3.2300e-003		0.0102	0.0102		0.0102	0.0102	0.0000	278.2186	278.2186	0.0658	0.0000	279.8634

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0436	1.4566	0.4544	5.0000e-003	0.1300	1.6800e-003	0.1317	0.0375	1.6100e-003	0.0391	0.0000	486.5664	486.5664	0.0262	0.0000	487.2220
Worker	0.1690	0.1174	1.4036	4.6300e-003	0.5155	3.9400e-003	0.5194	0.1369	3.6300e-003	0.1405	0.0000	419.0029	419.0029	0.0102	0.0000	419.2580
Total	0.2126	1.5740	1.8580	9.6300e-003	0.6455	5.6200e-003	0.6511	0.1744	5.2400e-003	0.1797	0.0000	905.5693	905.5693	0.0364	0.0000	906.4800

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.2864					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0158	0.1067	0.1584	2.6000e-004		5.3300e-003	5.3300e-003		5.3300e-003	5.3300e-003	0.0000	22.3410	22.3410	1.2600e-003	0.0000	22.3724
Total	2.3022	0.1067	0.1584	2.6000e-004		5.3300e-003	5.3300e-003		5.3300e-003	5.3300e-003	0.0000	22.3410	22.3410	1.2600e-003	0.0000	22.3724

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0245	0.0170	0.2036	6.7000e-004	0.0748	5.7000e-004	0.0754	0.0199	5.3000e-004	0.0204	0.0000	60.7928	60.7928	1.4800e-003	0.0000	60.8298
Total	0.0245	0.0170	0.2036	6.7000e-004	0.0748	5.7000e-004	0.0754	0.0199	5.3000e-004	0.0204	0.0000	60.7928	60.7928	1.4800e-003	0.0000	60.8298

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.2864					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0113	0.1603	2.6000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	22.3409	22.3409	1.2600e-003	0.0000	22.3724
Total	2.2890	0.0113	0.1603	2.6000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	22.3409	22.3409	1.2600e-003	0.0000	22.3724

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0245	0.0170	0.2036	6.7000e-004	0.0748	5.7000e-004	0.0754	0.0199	5.3000e-004	0.0204	0.0000	60.7928	60.7928	1.4800e-003	0.0000	60.8298
Total	0.0245	0.0170	0.2036	6.7000e-004	0.0748	5.7000e-004	0.0754	0.0199	5.3000e-004	0.0204	0.0000	60.7928	60.7928	1.4800e-003	0.0000	60.8298

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0805	0.7607	1.1434	1.7800e-003		0.0367	0.0367		0.0339	0.0339	0.0000	154.7801	154.7801	0.0491	0.0000	156.0067
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0805	0.7607	1.1434	1.7800e-003		0.0367	0.0367		0.0339	0.0339	0.0000	154.7801	154.7801	0.0491	0.0000	156.0067

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4500e-003	3.7900e-003	0.0453	1.5000e-004	0.0166	1.3000e-004	0.0168	4.4200e-003	1.2000e-004	4.5400e-003	0.0000	13.5214	13.5214	3.3000e-004	0.0000	13.5296
Total	5.4500e-003	3.7900e-003	0.0453	1.5000e-004	0.0166	1.3000e-004	0.0168	4.4200e-003	1.2000e-004	4.5400e-003	0.0000	13.5214	13.5214	3.3000e-004	0.0000	13.5296

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0268	0.1275	1.3266	1.7800e-003		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	154.7799	154.7799	0.0491	0.0000	156.0065
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0268	0.1275	1.3266	1.7800e-003		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	154.7799	154.7799	0.0491	0.0000	156.0065

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0	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	5.4500e-003	3.7900e-003	0.0453	1.5000e-004	0.0166	1.3000e-004	0.0168	4.4200e-003	1.2000e-004	4.5400e-003	0.0000	13.5214	13.5214	3.3000e-004	0.0000	13.5296

Total	5.4500e-003	3.7900e-003	0.0453	1.5000e-004	0.0166	1.3000e-004	0.0168	4.4200e-003	1.2000e-004	4.5400e-003	0.0000	13.5214	13.5214	3.3000e-004	0.0000	13.5296
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Project Construction Emissions: Phase 4

Land Use	CalEEMod Land Use Type	Units ^a		Res. Pop.
Existing Uses				
1 Story Office	Office		23,970 sf	
Parking Lot	Surface Parking Lot	58 spaces	23,200 sf	
Project				
Hotel	Hotel	228 Rooms	157,535 sf	
Restaurant	High Turnover (Sit Down Restaurant)	4.5 ksf	4,466 sf	
Above-Grade Parking Structure	Unenclosed Parking with Elevator	127 spaces	50,800 sf	
Below-Grade Parkin Structure	Enclosed Parking with Elevator	68 spaces	27,200 sf	
Lot Area		3.61 acres	240,001 sf	

a. Square footage values may be rounded up to provide a conservative analysis.

Construction Schedule and California Emissions Estimator Model (CalEEMod) Inputs

[illegible]

Burbank De Soto - Phase 4 - South Coast Air Basin, Annual

Burbank De Soto - Phase 4 South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	68.00	Space	0.40	27,200.00	0
Unenclosed Parking with Elevator	127.00	Space	0.80	50,800.00	0
High Turnover (Sit Down Restaurant)	4.47	1000sqft	0.10	4,466.00	0
Hotel	228.00	Room	2.40	157,535.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2029
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

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - See Construction Assumptions

Off-road Equipment -

Off-road Equipment - See Construction Assumptions

Off-road Equipment -

Construction Off-road Equipment Mitigation - See Construction Assumptions

[illegible]

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	90.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	8.00	30.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	5.00	30.00
tblGrading	AcresOfGrading	15.00	3.61
tblGrading	MaterialExported	0.00	27,871.00
tblLandUse	LandUseSquareFeet	4,470.00	4,466.00
tblLandUse	LandUseSquareFeet	331,056.00	157,535.00
tblLandUse	LotAcreage	0.61	0.40
tblLandUse	LotAcreage	1.14	0.80
tblLandUse	LotAcreage	7.60	2.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblTripsAndVMT	HaulingTripNumber	2,868.00	332.00
tblTripsAndVMT	HaulingTripNumber	3,484.00	5,575.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.2523	2.5879	2.6162	7.6900e-003	0.3764	0.0812	0.4576	0.1518	0.0760	0.2278	0.0000	705.6143	705.6143	0.1050	0.0000	708.2396
2029	0.8054	0.3490	0.4980	1.0500e-003	0.0317	0.0137	0.0454	8.5000e-003	0.0130	0.0215	0.0000	92.9775	92.9775	0.0147	0.0000	93.3446

Maximum	0.8054	2.5879	2.6162	7.6900e-003	0.3764	0.0812	0.4576	0.1518	0.0760	0.2278	0.0000	705.6143	705.6143	0.1050	0.0000	708.2396
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.1157	1.0332	2.8805	7.6900e-003	0.2641	0.0115	0.2756	0.0910	0.0114	0.1024	0.0000	705.6139	705.6139	0.1050	0.0000	708.2392
2029	0.7805	0.0939	0.5348	1.0500e-003	0.0317	1.8100e-003	0.0335	8.5000e-003	1.7900e-003	0.0103	0.0000	92.9774	92.9774	0.0147	0.0000	93.3445
Maximum	0.7805	1.0332	2.8805	7.6900e-003	0.2641	0.0115	0.2756	0.0910	0.0114	0.1024	0.0000	705.6139	705.6139	0.1050	0.0000	708.2392

	ROG	NOx	CO	SO2	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	15.27	61.62	-9.67	0.00	27.52	85.98	38.55	37.95	85.17	54.80	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2028	4-2-2028	1.1672	0.5373
2	4-3-2028	7-2-2028	0.5498	0.2001
3	7-3-2028	10-2-2028	0.5559	0.2023
4	10-3-2028	1-2-2029	0.5763	0.2168
5	1-3-2029	4-2-2029	0.8850	0.6441
6	4-3-2029	7-2-2029	0.2094	0.1962
		Highest	1.1672	0.6441

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	1/3/2028	2/11/2028	5	30	
2	Site Preparation	Site Preparation	1/3/2028	2/11/2028	5	30	
3	Grading	Grading	2/12/2028	3/24/2028	5	30	

4	Building Construction	Building Construction	3/24/2028	2/8/2029	5	230
5	Paving	Paving	1/1/2029	1/26/2029	5	20
6	Architectural Coating	Architectural Coating	1/1/2029	5/4/2029	5	90

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.61

Acres of Paving: 1.2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 243,002; Non-Residential Outdoor: 81,001; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Architectural Coating	Air Compressors	1	6.00	78	0.48
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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	332.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	5,575.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0289	0.2696	0.2424	5.1000e-004		0.0119	0.0119		0.0111	0.0111	0.0000	44.1880	44.1880	0.0120	0.0000	44.4889
Total	0.0289	0.2696	0.2424	5.1000e-004		0.0119	0.0119		0.0111	0.0111	0.0000	44.1880	44.1880	0.0120	0.0000	44.4889

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8000e-004	0.0246	9.0600e-003	1.2000e-004	2.8500e-003	4.0000e-005	2.9000e-003	7.8000e-004	4.0000e-005	8.3000e-004	0.0000	11.5240	11.5240	8.0000e-004	0.0000	11.5441

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	5.6000e-004	3.2000e-004	4.1400e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.4570	1.4570	3.0000e-005	0.0000	1.4577
Total	1.3400e-003	0.0249	0.0132	1.4000e-004	4.9900e-003	5.0000e-005	5.0500e-003	1.3500e-003	5.0000e-005	1.4100e-003	0.0000	12.9810	12.9810	8.3000e-004	0.0000	13.0018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.9800e-003	0.0259	0.2904	5.1000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	44.1879	44.1879	0.0120	0.0000	44.4889
Total	5.9800e-003	0.0259	0.2904	5.1000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	44.1879	44.1879	0.0120	0.0000	44.4889

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8000e-004	0.0246	9.0600e-003	1.2000e-004	2.8500e-003	4.0000e-005	2.9000e-003	7.8000e-004	4.0000e-005	8.3000e-004	0.0000	11.5240	11.5240	8.0000e-004	0.0000	11.5441
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	5.6000e-004	3.2000e-004	4.1400e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.4570	1.4570	3.0000e-005	0.0000	1.4577
Total	1.3400e-003	0.0249	0.0132	1.4000e-004	4.9900e-003	5.0000e-005	5.0500e-003	1.3500e-003	5.0000e-005	1.4100e-003	0.0000	12.9810	12.9810	8.3000e-004	0.0000	13.0018

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0117	0.1195	0.0784	1.7000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	15.3634	15.3634	4.9700e-003	0.0000	15.4876
Total	0.0117	0.1195	0.0784	1.7000e-004	0.0903	5.1600e-003	0.0955	0.0497	4.7500e-003	0.0544	0.0000	15.3634	15.3634	4.9700e-003	0.0000	15.4876

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.2000e-004	1.5900e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5604	0.5604	1.0000e-005	0.0000	0.5607
Total	2.2000e-004	1.2000e-004	1.5900e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5604	0.5604	1.0000e-005	0.0000	0.5607

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1400e-003	9.2600e-003	0.0926	1.7000e-004		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	15.3634	15.3634	4.9700e-003	0.0000	15.4876
Total	2.1400e-003	9.2600e-003	0.0926	1.7000e-004	0.0352	2.9000e-004	0.0355	0.0194	2.9000e-004	0.0197	0.0000	15.3634	15.3634	4.9700e-003	0.0000	15.4876

Mitigated Construction Off-Site

[illegible]

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.2000e-004	1.5900e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5604	0.5604	1.0000e-005	0.0000	0.5607
Total	2.2000e-004	1.2000e-004	1.5900e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5604	0.5604	1.0000e-005	0.0000	0.5607

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0938	0.0000	0.0938	0.0501	0.0000	0.0501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2297	0.2181	4.5000e-004		9.3500e-003	9.3500e-003		8.6100e-003	8.6100e-003	0.0000	39.1047	39.1047	0.0127	0.0000	39.4209
Total	0.0228	0.2297	0.2181	4.5000e-004	0.0938	9.3500e-003	0.1032	0.0501	8.6100e-003	0.0587	0.0000	39.1047	39.1047	0.0127	0.0000	39.4209

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0131	0.4126	0.1522	1.9500e-003	0.0479	7.5000e-004	0.0487	0.0132	7.2000e-004	0.0139	0.0000	193.5131	193.5131	0.0135	0.0000	193.8503
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	3.7000e-004	4.7800e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.6812	1.6812	3.0000e-005	0.0000	1.6820
Total	0.0138	0.4129	0.1570	1.9700e-003	0.0504	7.6000e-004	0.0511	0.0138	7.3000e-004	0.0145	0.0000	195.1943	195.1943	0.0135	0.0000	195.5322

Mitigated Construction On-Site

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

Vendor	7.0400e-003	0.2612	0.0735	9.2000e-004	0.0247	2.9000e-004	0.0250	7.1300e-003	2.8000e-004	7.4000e-003	0.0000	89.2994	89.2994	4.8400e-003	0.0000	89.4203
Worker	0.0291	0.0167	0.2155	8.4000e-004	0.1114	6.5000e-004	0.1120	0.0296	6.0000e-004	0.0302	0.0000	75.8440	75.8440	1.3800e-003	0.0000	75.8784
Total	0.0362	0.2779	0.2891	1.7600e-003	0.1361	9.4000e-004	0.1370	0.0367	8.8000e-004	0.0376	0.0000	165.1434	165.1434	6.2200e-003	0.0000	165.2987

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0506	0.2586	1.7703	2.7100e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	233.0788	233.0788	0.0548	0.0000	234.4485
Total	0.0506	0.2586	1.7703	2.7100e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	233.0788	233.0788	0.0548	0.0000	234.4485

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0400e-003	0.2612	0.0735	9.2000e-004	0.0247	2.9000e-004	0.0250	7.1300e-003	2.8000e-004	7.4000e-003	0.0000	89.2994	89.2994	4.8400e-003	0.0000	89.4203
Worker	0.0291	0.0167	0.2155	8.4000e-004	0.1114	6.5000e-004	0.1120	0.0296	6.0000e-004	0.0302	0.0000	75.8440	75.8440	1.3800e-003	0.0000	75.8784
Total	0.0362	0.2779	0.2891	1.7600e-003	0.1361	9.4000e-004	0.1370	0.0367	8.8000e-004	0.0376	0.0000	165.1434	165.1434	6.2200e-003	0.0000	165.2987

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0198	0.1808	0.2332	3.9000e-004		7.6500e-003	7.6500e-003		7.2000e-003	7.2000e-003	0.0000	33.6283	33.6283	7.9000e-003	0.0000	33.8260

Total	0.0198	0.1808	0.2332	3.9000e-004		7.6500e-003	7.6500e-003		7.2000e-003	7.2000e-003	0.0000	33.6283	33.6283	7.9000e-003	0.0000	33.8260
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-003	0.0374	0.0105	1.3000e-004	3.5600e-003	4.0000e-005	3.6000e-003	1.0300e-003	4.0000e-005	1.0700e-003	0.0000	12.8359	12.8359	6.9000e-004	0.0000	12.8531
Worker	3.9600e-003	2.2200e-003	0.0292	1.2000e-004	0.0161	9.0000e-005	0.0162	4.2700e-003	8.0000e-005	4.3500e-003	0.0000	10.6477	10.6477	1.8000e-004	0.0000	10.6523
Total	4.9600e-003	0.0396	0.0397	2.5000e-004	0.0196	1.3000e-004	0.0198	5.3000e-003	1.2000e-004	5.4200e-003	0.0000	23.4837	23.4837	8.7000e-004	0.0000	23.5054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3100e-003	0.0373	0.2554	3.9000e-004		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	33.6283	33.6283	7.9000e-003	0.0000	33.8259
Total	7.3100e-003	0.0373	0.2554	3.9000e-004		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	33.6283	33.6283	7.9000e-003	0.0000	33.8259

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-003	0.0374	0.0105	1.3000e-004	3.5600e-003	4.0000e-005	3.6000e-003	1.0300e-003	4.0000e-005	1.0700e-003	0.0000	12.8359	12.8359	6.9000e-004	0.0000	12.8531
Worker	3.9600e-003	2.2200e-003	0.0292	1.2000e-004	0.0161	9.0000e-005	0.0162	4.2700e-003	8.0000e-005	4.3500e-003	0.0000	10.6477	10.6477	1.8000e-004	0.0000	10.6523

Worker	2.4300e-003	1.3700e-003	0.0179	7.0000e-005	9.8700e-003	5.0000e-005	9.9300e-003	2.6200e-003	5.0000e-005	2.6700e-003	0.0000	6.5435	6.5435	1.1000e-004	0.0000	6.5463
Total	2.4300e-003	1.3700e-003	0.0179	7.0000e-005	9.8700e-003	5.0000e-005	9.9300e-003	2.6200e-003	5.0000e-005	2.6700e-003	0.0000	6.5435	6.5435	1.1000e-004	0.0000	6.5463

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053
Total	0.7631	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.3700e-003	0.0179	7.0000e-005	9.8700e-003	5.0000e-005	9.9300e-003	2.6200e-003	5.0000e-005	2.6700e-003	0.0000	6.5435	6.5435	1.1000e-004	0.0000	6.5463
Total	2.4300e-003	1.3700e-003	0.0179	7.0000e-005	9.8700e-003	5.0000e-005	9.9300e-003	2.6200e-003	5.0000e-005	2.6700e-003	0.0000	6.5435	6.5435	1.1000e-004	0.0000	6.5463

Project Construction Emissions: Phase 5

CalEEMod Land Use Inputs

Notes:

a. Square footage values may be rounded up to provide a conservative analysis.

Sources: Atlas Capital Group, Johnson Fain, May 2016; ESA PCR, 2016

[illegible]

Burbank De Soto - Phase 5 - South Coast Air Basin, Annual

Burbank De Soto - Phase 5

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.20	1000sqft	0.07	16,205.00	0
Enclosed Parking with Elevator	412.00	Space	0.70	164,800.00	0
High Turnover (Sit Down Restaurant)	8.93	1000sqft	0.04	8,933.00	0
Apartments Mid Rise	15.00	Dwelling Unit	0.07	16,205.00	43
Condo/Townhouse	153.00	Dwelling Unit	1.08	253,351.00	438

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2030
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

Project Characteristics -

Land Use - See construction assumptions

Construction Phase - See construction assumptions

Trips and VMT - See construction assumptions

Demolition - See construction assumptions

Grading - See construction assumptions

Construction Off-road Equipment Mitigation - See construction assumptions

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	200.00	230.00

tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	4.00	40.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	30.00
tblGrading	AcresOfGrading	15.00	1.95
tblGrading	AcresOfGrading	15.00	0.00
tblGrading	MaterialExported	0.00	51,537.00
tblLandUse	LandUseSquareFeet	16,200.00	16,205.00
tblLandUse	LandUseSquareFeet	8,930.00	8,933.00
tblLandUse	LandUseSquareFeet	15,000.00	16,205.00
tblLandUse	LandUseSquareFeet	153,000.00	253,351.00
tblLandUse	LotAcreage	0.37	0.07
tblLandUse	LotAcreage	3.71	0.70
tblLandUse	LotAcreage	0.21	0.04
tblLandUse	LotAcreage	0.39	0.07
tblLandUse	LotAcreage	9.56	1.08
tblTripsAndVMT	HaulingTripNumber	232.00	587.00
tblTripsAndVMT	HaulingTripNumber	6,442.00	10,308.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0642	0.9984	0.5746	3.3700e-003	0.2574	0.0200	0.2774	0.1042	0.0185	0.1228	0.0000	325.3943	325.3943	0.0381	0.0000	326.3468
2030	1.2079	1.6010	2.2710	7.6600e-003	0.4183	0.0204	0.4387	0.1198	0.0203	0.1401	0.0000	688.6253	688.6253	0.0299	0.0000	689.3722
Maximum	1.2079	1.6010	2.2710	7.6600e-003	0.4183	0.0204	0.4387	0.1198	0.0203	0.1401	0.0000	688.6253	688.6253	0.0381	0.0000	689.3722

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0278	0.5741	0.6517	3.3700e-003	0.1556	2.2700e-003	0.1579	0.0554	2.2300e-003	0.0576	0.0000	325.3942	325.3942	0.0381	0.0000	326.3467
2030	1.1431	1.1748	2.4448	7.6600e-003	0.3966	0.0110	0.4076	0.1089	0.0108	0.1197	0.0000	688.6250	688.6250	0.0299	0.0000	689.3719
Maximum	1.1431	1.1748	2.4448	7.6600e-003	0.3966	0.0110	0.4076	0.1089	0.0108	0.1197	0.0000	688.6250	688.6250	0.0381	0.0000	689.3719

	ROG	NOx	CO	SO2	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	7.96	32.72	-8.81	0.00	18.27	67.29	21.04	26.69	66.42	32.55	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-15-2029	1-14-2030	1.2391	0.7767
2	1-15-2030	4-14-2030	0.4444	0.3354
3	4-15-2030	7-14-2030	0.3993	0.2911
4	7-15-2030	9-30-2030	0.7526	0.6450
		Highest	1.2391	0.7767

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/15/2029	11/23/2029	5	30	
2	Site Preparation	Site Preparation	10/15/2029	11/23/2029	5	30	
3	Grading	Grading	11/26/2029	1/18/2030	5	40	
4	Building Construction	Building Construction	1/18/2030	12/5/2030	5	230	
5	Architectural Coating	Architectural Coating	8/12/2030	12/13/2030	5	90	
6	Paving	Paving	10/14/2030	11/8/2030	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.95

Acres of Paving: 0.7

Residential Indoor: 545,851; Residential Outdoor: 181,950; Non-Residential Indoor: 37,707; Non-Residential Outdoor: 12,569; Striped

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
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	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
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	587.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	10,308.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	199.00	49.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0251	0.0000	0.0251	3.8000e-003	0.0000	3.8000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0201	0.1936	0.2000	3.6000e-004		8.1800e-003	8.1800e-003		7.6400e-003	7.6400e-003	0.0000	31.6489	31.6489	7.9800e-003	0.0000	31.8484
Total	0.0201	0.1936	0.2000	3.6000e-004	0.0251	8.1800e-003	0.0333	3.8000e-003	7.6400e-003	0.0114	0.0000	31.6489	31.6489	7.9800e-003	0.0000	31.8484

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3700e-003	0.0428	0.0161	2.0000e-004	5.0400e-003	8.0000e-005	5.1200e-003	1.3800e-003	7.0000e-005	1.4600e-003	0.0000	20.2940	20.2940	1.4100e-003	0.0000	20.3293

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	5.3000e-004	3.0000e-004	3.8900e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.4178	1.4178	2.0000e-005	0.0000	1.4184
Total	1.9000e-003	0.0431	0.0200	2.2000e-004	7.1800e-003	9.0000e-005	7.2700e-003	1.9500e-003	8.0000e-005	2.0400e-003	0.0000	21.7117	21.7117	1.4300e-003	0.0000	21.7476

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.7900e-003	0.0000	9.7900e-003	1.4800e-003	0.0000	1.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2200e-003	0.0183	0.2208	3.6000e-004		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	31.6488	31.6488	7.9800e-003	0.0000	31.8484
Total	4.2200e-003	0.0183	0.2208	3.6000e-004	9.7900e-003	5.6000e-004	0.0104	1.4800e-003	5.6000e-004	2.0400e-003	0.0000	31.6488	31.6488	7.9800e-003	0.0000	31.8484

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3700e-003	0.0428	0.0161	2.0000e-004	5.0400e-003	8.0000e-005	5.1200e-003	1.3800e-003	7.0000e-005	1.4600e-003	0.0000	20.2940	20.2940	1.4100e-003	0.0000	20.3293
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	5.3000e-004	3.0000e-004	3.8900e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.4178	1.4178	2.0000e-005	0.0000	1.4184
Total	1.9000e-003	0.0431	0.0200	2.2000e-004	7.1800e-003	9.0000e-005	7.2700e-003	1.9500e-003	8.0000e-005	2.0400e-003	0.0000	21.7117	21.7117	1.4300e-003	0.0000	21.7476

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					0.0790	0.0000	0.0790	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.1589	0.0967	2.6000e-004		6.2900e-003	6.2900e-003		5.7900e-003	5.7900e-003	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523
Total	0.0152	0.1589	0.0967	2.6000e-004	0.0790	6.2900e-003	0.0853	0.0435	5.7900e-003	0.0492	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728
Total	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0308	0.0000	0.0308	0.0169	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0137	0.1301	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523
Total	3.1600e-003	0.0137	0.1301	2.6000e-004	0.0308	4.2000e-004	0.0313	0.0169	4.2000e-004	0.0174	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728
Total	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0627	0.0000	0.0627	0.0328	0.0000	0.0328	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.1135	0.0701	1.8000e-004		4.5300e-003	4.5300e-003		4.1700e-003	4.1700e-003	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246
Total	0.0109	0.1135	0.0701	1.8000e-004	0.0627	4.5300e-003	0.0672	0.0328	4.1700e-003	0.0370	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0156	0.4889	0.1834	2.3300e-003	0.0809	8.9000e-004	0.0818	0.0215	8.5000e-004	0.0224	0.0000	231.6417	231.6417	0.0161	0.0000	232.0446
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.6000e-004	2.0700e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7561	0.7561	1.0000e-005	0.0000	0.7565
Total	0.0159	0.4891	0.1855	2.3400e-003	0.0821	9.0000e-004	0.0830	0.0218	8.6000e-004	0.0227	0.0000	232.3978	232.3978	0.0161	0.0000	232.8011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0244	0.0000	0.0244	0.0128	0.0000	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2400e-003	9.7200e-003	0.0930	1.8000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246
Total	2.2400e-003	9.7200e-003	0.0930	1.8000e-004	0.0244	3.0000e-004	0.0247	0.0128	3.0000e-004	0.0131	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0156	0.4889	0.1834	2.3300e-003	0.0809	8.9000e-004	0.0818	0.0215	8.5000e-004	0.0224	0.0000	231.6417	231.6417	0.0161	0.0000	232.0446
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.6000e-004	2.0700e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7561	0.7561	1.0000e-005	0.0000	0.7565
Total	0.0159	0.4891	0.1855	2.3400e-003	0.0821	9.0000e-004	0.0830	0.0218	8.6000e-004	0.0227	0.0000	232.3978	232.3978	0.0161	0.0000	232.8011

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0356	0.0000	0.0356	0.0179	0.0000	0.0179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6500e-003	0.0279	0.0346	1.2000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	10.3753	10.3753	4.6000e-004	0.0000	10.3867
Total	5.6500e-003	0.0279	0.0346	1.2000e-004	0.0356	9.2000e-004	0.0365	0.0179	9.2000e-004	0.0189	0.0000	10.3753	10.3753	4.6000e-004	0.0000	10.3867

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3600e-003	0.2597	0.0989	1.2500e-003	0.0744	4.7000e-004	0.0748	0.0192	4.5000e-004	0.0196	0.0000	124.2581	124.2581	8.6300e-003	0.0000	124.4738
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	8.0000e-005	1.0500e-003	0.0000	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.3971	0.3971	1.0000e-005	0.0000	0.3973
Total	8.5000e-003	0.2598	0.1000	1.2500e-003	0.0750	4.7000e-004	0.0754	0.0193	4.5000e-004	0.0198	0.0000	124.6553	124.6553	8.6400e-003	0.0000	124.8711

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0139	0.0000	0.0139	6.9900e-003	0.0000	6.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	5.2300e-003	0.0501	1.2000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	10.3753	10.3753	4.6000e-004	0.0000	10.3867
Total	1.2100e-003	5.2300e-003	0.0501	1.2000e-004	0.0139	1.6000e-004	0.0140	6.9900e-003	1.6000e-004	7.1500e-003	0.0000	10.3753	10.3753	4.6000e-004	0.0000	10.3867

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3600e-003	0.2597	0.0989	1.2500e-003	0.0744	4.7000e-004	0.0748	0.0192	4.5000e-004	0.0196	0.0000	124.2581	124.2581	8.6300e-003	0.0000	124.4738
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	8.0000e-005	1.0500e-003	0.0000	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.3971	0.3971	1.0000e-005	0.0000	0.3973
Total	8.5000e-003	0.2598	0.1000	1.2500e-003	0.0750	4.7000e-004	0.0754	0.0193	4.5000e-004	0.0198	0.0000	124.6553	124.6553	8.6400e-003	0.0000	124.8711

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1243	0.8266	1.3927	2.7400e-003		0.0146	0.0146		0.0146	0.0146	0.0000	224.5786	224.5786	0.0101	0.0000	224.8299
Total	0.1243	0.8266	1.3927	2.7400e-003		0.0146	0.0146		0.0146	0.0146	0.0000	224.5786	224.5786	0.0101	0.0000	224.8299

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8200e-003	0.3697	0.1034	1.3100e-003	0.0355	4.0000e-004	0.0359	0.0103	3.8000e-004	0.0106	0.0000	127.4719	127.4719	6.7800e-003	0.0000	127.6413
Worker	0.0579	0.0319	0.4288	1.7900e-003	0.2511	1.2700e-003	0.2524	0.0667	1.1700e-003	0.0679	0.0000	162.2972	162.2972	2.6100e-003	0.0000	162.3624
Total	0.0677	0.4016	0.5322	3.1000e-003	0.2866	1.6700e-003	0.2883	0.0769	1.5500e-003	0.0785	0.0000	289.7691	289.7691	9.3900e-003	0.0000	290.0038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0751	0.4928	1.5454	2.7400e-003		8.1500e-003	8.1500e-003		8.1500e-003	8.1500e-003	0.0000	224.5783	224.5783	0.0101	0.0000	224.8296
Total	0.0751	0.4928	1.5454	2.7400e-003		8.1500e-003	8.1500e-003		8.1500e-003	8.1500e-003	0.0000	224.5783	224.5783	0.0101	0.0000	224.8296

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8200e-003	0.3697	0.1034	1.3100e-003	0.0355	4.0000e-004	0.0359	0.0103	3.8000e-004	0.0106	0.0000	127.4719	127.4719	6.7800e-003	0.0000	127.6413
Worker	0.0579	0.0319	0.4288	1.7900e-003	0.2511	1.2700e-003	0.2524	0.0667	1.1700e-003	0.0679	0.0000	162.2972	162.2972	2.6100e-003	0.0000	162.3624
Total	0.0677	0.4016	0.5322	3.1000e-003	0.2866	1.6700e-003	0.2883	0.0769	1.5500e-003	0.0785	0.0000	289.7691	289.7691	9.3900e-003	0.0000	290.0038

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8800e-003	0.0385	0.0809	1.3000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013
Total	0.9887	0.0385	0.0809	1.3000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5500e-003	2.5100e-003	0.0337	1.4000e-004	0.0198	1.0000e-004	0.0199	5.2400e-003	9.0000e-005	5.3400e-003	0.0000	12.7654	12.7654	2.1000e-004	0.0000	12.7705
Total	4.5500e-003	2.5100e-003	0.0337	1.4000e-004	0.0198	1.0000e-004	0.0199	5.2400e-003	9.0000e-005	5.3400e-003	0.0000	12.7654	12.7654	2.1000e-004	0.0000	12.7705

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013
Total	0.9841	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5500e-003	2.5100e-003	0.0337	1.4000e-004	0.0198	1.0000e-004	0.0199	5.2400e-003	9.0000e-005	5.3400e-003	0.0000	12.7654	12.7654	2.1000e-004	0.0000	12.7705
Total	4.5500e-003	2.5100e-003	0.0337	1.4000e-004	0.0198	1.0000e-004	0.0199	5.2400e-003	9.0000e-005	5.3400e-003	0.0000	12.7654	12.7654	2.1000e-004	0.0000	12.7705

3.7 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.1600e-003	0.0439	0.0946	1.7000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0868
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1600e-003	0.0439	0.0946	1.7000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0868

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223
Total	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6000e-003	6.9200e-003	0.0985	1.7000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0867
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6000e-003	6.9200e-003	0.0985	1.7000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0867

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223
Total	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223

Project Construction Emissions: Phase 6

Land Use	CalEEMod Land Use Type	Units ^a		Res. Pop.
Existing Uses				
2 Story Office	Office		57,794 sf	
Parking Lot	Surface Parking Lot	172 spaces	68,800 sf	
Project				
Residential Units	Apartments Mid Rise	234 DU	251,927 sf	
Retail	Strip Mall		2,040 sf	
Restaurant	High Turnover (Sit Down Restaurant)		3,060 sf	
Parking Structure	Unenclosed Parking with Elevator	288 spaces	115,200 sf	
	Enclosed Parking with Elevator	144 spaces	57,600	
Lot Area		1.65 acres	429,827 sf	

Sources: Atlas Capital Group, Johnson Fain, May 2016; ESA PCR, 2016

[illegible]

Burbank De Soto - Phase 6 - South Coast Air Basin, Annual

Burbank De Soto - Phase 6

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	134.00	Space	0.21	53,600.00	0
Unenclosed Parking with Elevator	269.00	Space	0.42	107,600.00	0
High Turnover (Sit Down Restaurant)	3.06	1000sqft	0.01	3,060.00	0
Apartments Mid Rise	234.00	Dwelling Unit	0.97	251,927.00	669
Strip Mall	2.04	1000sqft	0.01	2,040.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2030
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

Project Characteristics -

Land Use - See construction assumptions

Construction Phase - See construction assumptions

Trips and VMT - See construction assumptions

Demolition - See construction assumptions

Grading - See construction assumptions

Construction Off-road Equipment Mitigation - See construction assumptions

[illegible]

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	90.00
tblConstructionPhase	NumDays	200.00	230.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	30.00
tblFireplaces	NumberGas	198.90	215.90
tblFireplaces	NumberNoFireplace	23.40	25.40
tblFireplaces	NumberWood	11.70	12.70
tblGrading	AcresOfGrading	11.25	1.65
tblGrading	AcresOfGrading	15.00	0.00
tblGrading	MaterialExported	0.00	48,740.00
tblLandUse	LandUseSquareFeet	234,000.00	251,927.00
tblLandUse	LotAcreage	1.21	0.21
tblLandUse	LotAcreage	2.42	0.42
tblLandUse	LotAcreage	0.07	0.01
tblLandUse	LotAcreage	6.16	0.97
tblLandUse	LotAcreage	0.05	0.01
tblSolidWaste	SolidWasteGenerationRate	107.64	116.84
tblTripsAndVMT	HaulingTripNumber	327.00	830.00
tblTripsAndVMT	HaulingTripNumber	6,093.00	9,748.00
tblWater	IndoorWaterUseRate	15,246,042.00	16,549,122.51
tblWater	OutdoorWaterUseRate	9,611,635.17	10,433,142.45
tblWoodstoves	NumberCatalytic	11.70	12.70
tblWoodstoves	NumberNoncatalytic	11.70	12.70

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0689	1.1437	0.6291	4.0600e-003	0.2696	0.0203	0.2898	0.1068	0.0188	0.1256	0.0000	394.2301	394.2301	0.0429	0.0000	395.3024
2030	1.1282	1.4443	2.2794	7.2300e-003	0.4418	0.0198	0.4615	0.1193	0.0196	0.1389	0.0000	643.6019	643.6019	0.0250	0.0000	644.2267
Maximum	1.1282	1.4443	2.2794	7.2300e-003	0.4418	0.0203	0.4615	0.1193	0.0196	0.1389	0.0000	643.6019	643.6019	0.0429	0.0000	644.2267

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0324	0.7194	0.7062	4.0600e-003	0.1617	2.5400e-003	0.1642	0.0570	2.4800e-003	0.0595	0.0000	394.2300	394.2300	0.0429	0.0000	395.3023
2030	1.0666	1.0343	2.4421	7.2300e-003	0.4340	0.0108	0.4449	0.1160	0.0107	0.1266	0.0000	643.6016	643.6016	0.0250	0.0000	644.2264
Maximum	1.0666	1.0343	2.4421	7.2300e-003	0.4340	0.0108	0.4449	0.1160	0.0107	0.1266	0.0000	643.6016	643.6016	0.0429	0.0000	644.2264

	ROG	NOx	CO	SO2	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	8.19	32.24	-8.24	0.00	16.25	66.60	18.93	23.50	65.76	29.62	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-15-2029	1-14-2030	1.3378	0.8700
2	1-15-2030	4-14-2030	0.4086	0.3015
3	4-15-2030	7-14-2030	0.4106	0.3023
4	7-15-2030	9-30-2030	0.7298	0.6222
		Highest	1.3378	0.8700

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/15/2029	11/23/2029	5	30	
2	Site Preparation	Site Preparation	10/15/2029	11/23/2029	5	30	
3	Grading	Grading	11/24/2029	1/4/2030	5	30	
4	Building Construction	Building Construction	1/4/2030	11/21/2030	5	230	
5	Architectural Coating	Architectural Coating	8/12/2030	12/13/2030	5	90	
6	Paving	Paving	10/14/2030	11/8/2030	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.65

Acres of Paving: 0.63

Residential Indoor: 551,470; Residential Outdoor: 183,823; Non-Residential Indoor: 7,650; Non-Residential Outdoor: 2,550; Striped

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
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	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
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	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	830.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	9,748.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	238.00	52.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0354	0.0000	0.0354	5.3700e-003	0.0000	5.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0201	0.1936	0.2000	3.6000e-004		8.1800e-003	8.1800e-003		7.6400e-003	7.6400e-003	0.0000	31.6489	31.6489	7.9800e-003	0.0000	31.8484

Worker	5.3000e-004	3.0000e-004	3.8900e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.4178	1.4178	2.0000e-005	0.0000	1.4184
Total	2.4700e-003	0.0609	0.0266	3.1000e-004	9.2700e-003	1.2000e-004	9.3900e-003	2.5300e-003	1.2000e-004	2.6400e-003	0.0000	30.1128	30.1128	2.0200e-003	0.0000	30.1633

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0790	0.0000	0.0790	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.1589	0.0967	2.6000e-004		6.2900e-003	6.2900e-003		5.7900e-003	5.7900e-003	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523
Total	0.0152	0.1589	0.0967	2.6000e-004	0.0790	6.2900e-003	0.0853	0.0435	5.7900e-003	0.0492	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728
Total	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0308	0.0000	0.0308	0.0169	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	3.1600e-003	0.0137	0.1301	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523
Total	3.1600e-003	0.0137	0.1301	2.6000e-004	0.0308	4.2000e-004	0.0313	0.0169	4.2000e-004	0.0174	0.0000	22.6690	22.6690	7.3300e-003	0.0000	22.8523

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728
Total	3.2000e-004	1.8000e-004	2.3900e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.8725	0.8725	1.0000e-005	0.0000	0.8728

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0624	0.0000	0.0624	0.0328	0.0000	0.0328	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.1135	0.0701	1.8000e-004		4.5300e-003	4.5300e-003		4.1700e-003	4.1700e-003	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246
Total	0.0109	0.1135	0.0701	1.8000e-004	0.0624	4.5300e-003	0.0669	0.0328	4.1700e-003	0.0370	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0197	0.6165	0.2312	2.9400e-003	0.0810	1.1200e-003	0.0821	0.0220	1.0700e-003	0.0231	0.0000	292.0764	292.0764	0.0203	0.0000	292.5845

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.6000e-004	2.0700e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7561	0.7561	1.0000e-005	0.0000	0.7565
Total	0.0200	0.6166	0.2333	2.9500e-003	0.0822	1.1300e-003	0.0833	0.0223	1.0800e-003	0.0234	0.0000	292.8326	292.8326	0.0203	0.0000	293.3410

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0243	0.0000	0.0243	0.0128	0.0000	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2400e-003	9.7200e-003	0.0930	1.8000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246
Total	2.2400e-003	9.7200e-003	0.0930	1.8000e-004	0.0243	3.0000e-004	0.0246	0.0128	3.0000e-004	0.0131	0.0000	16.0944	16.0944	5.2100e-003	0.0000	16.2246

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0197	0.6165	0.2312	2.9400e-003	0.0810	1.1200e-003	0.0821	0.0220	1.0700e-003	0.0231	0.0000	292.0764	292.0764	0.0203	0.0000	292.5845
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.6000e-004	2.0700e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7561	0.7561	1.0000e-005	0.0000	0.7565
Total	0.0200	0.6166	0.2333	2.9500e-003	0.0822	1.1300e-003	0.0833	0.0223	1.0800e-003	0.0234	0.0000	292.8326	292.8326	0.0203	0.0000	293.3410

3.4 Grading - 2030

Unmitigated Construction On-Site

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

Fugitive Dust					0.0127	0.0000	0.0127	5.4800e-003	0.0000	5.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	7.9600e-003	9.8900e-003	3.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	2.9644	2.9644	1.3000e-004	0.0000	2.9676
Total	1.6200e-003	7.9600e-003	9.8900e-003	3.0000e-005	0.0127	2.6000e-004	0.0129	5.4800e-003	2.6000e-004	5.7400e-003	0.0000	2.9644	2.9644	1.3000e-004	0.0000	2.9676

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0100e-003	0.0936	0.0356	4.5000e-004	0.0658	1.7000e-004	0.0660	0.0165	1.6000e-004	0.0166	0.0000	44.7648	44.7648	3.1100e-003	0.0000	44.8425
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1135	0.1135	0.0000	0.0000	0.1135
Total	3.0500e-003	0.0936	0.0359	4.5000e-004	0.0660	1.7000e-004	0.0662	0.0165	1.6000e-004	0.0167	0.0000	44.8783	44.8783	3.1100e-003	0.0000	44.9560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9400e-003	0.0000	4.9400e-003	2.1400e-003	0.0000	2.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	1.4900e-003	0.0143	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.9644	2.9644	1.3000e-004	0.0000	2.9676
Total	3.4000e-004	1.4900e-003	0.0143	3.0000e-005	4.9400e-003	5.0000e-005	4.9900e-003	2.1400e-003	5.0000e-005	2.1900e-003	0.0000	2.9644	2.9644	1.3000e-004	0.0000	2.9676

Mitigated Construction Off-Site

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

Hauling	3.0100e-003	0.0936	0.0356	4.5000e-004	0.0658	1.7000e-004	0.0660	0.0165	1.6000e-004	0.0166	0.0000	44.7648	44.7648	3.1100e-003	0.0000	44.8425
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1135	0.1135	0.0000	0.0000	0.1135
Total	3.0500e-003	0.0936	0.0359	4.5000e-004	0.0660	1.7000e-004	0.0662	0.0165	1.6000e-004	0.0167	0.0000	44.8783	44.8783	3.1100e-003	0.0000	44.9560

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1243	0.8266	1.3927	2.7400e-003		0.0146	0.0146		0.0146	0.0146	0.0000	224.5786	224.5786	0.0101	0.0000	224.8299
Total	0.1243	0.8266	1.3927	2.7400e-003		0.0146	0.0146		0.0146	0.0146	0.0000	224.5786	224.5786	0.0101	0.0000	224.8299

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.3923	0.1097	1.3900e-003	0.0377	4.2000e-004	0.0381	0.0109	4.1000e-004	0.0113	0.0000	135.2763	135.2763	7.1900e-003	0.0000	135.4561
Worker	0.0692	0.0382	0.5128	2.1400e-003	0.3003	1.5200e-003	0.3018	0.0798	1.4000e-003	0.0812	0.0000	194.1042	194.1042	3.1200e-003	0.0000	194.1822
Total	0.0796	0.4305	0.6225	3.5300e-003	0.3380	1.9400e-003	0.3399	0.0906	1.8100e-003	0.0924	0.0000	329.3805	329.3805	0.0103	0.0000	329.6383

Mitigated Construction On-Site

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

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	5.4600e-003	3.0100e-003	0.0405	1.7000e-004	0.0237	1.2000e-004	0.0238	6.2900e-003	1.1000e-004	6.4000e-003	0.0000	15.3184	15.3184	2.5000e-004	0.0000	15.3246
Total	5.4600e-003	3.0100e-003	0.0405	1.7000e-004	0.0237	1.2000e-004	0.0238	6.2900e-003	1.1000e-004	6.4000e-003	0.0000	15.3184	15.3184	2.5000e-004	0.0000	15.3246

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8997					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013
Total	0.9010	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4600e-003	3.0100e-003	0.0405	1.7000e-004	0.0237	1.2000e-004	0.0238	6.2900e-003	1.1000e-004	6.4000e-003	0.0000	15.3184	15.3184	2.5000e-004	0.0000	15.3246
Total	5.4600e-003	3.0100e-003	0.0405	1.7000e-004	0.0237	1.2000e-004	0.0238	6.2900e-003	1.1000e-004	6.4000e-003	0.0000	15.3184	15.3184	2.5000e-004	0.0000	15.3246

3.7 Paving - 2030

Unmitigated Construction On-Site

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

Off-Road	8.1600e-003	0.0439	0.0946	1.7000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0868
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1600e-003	0.0439	0.0946	1.7000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0868

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223
Total	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6000e-003	6.9200e-003	0.0985	1.7000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0867
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6000e-003	6.9200e-003	0.0985	1.7000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	14.0702	14.0702	6.6000e-004	0.0000	14.0867

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223
Total	3.3000e-004	1.8000e-004	2.4400e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9219	0.9219	1.0000e-005	0.0000	0.9223

Project Construction Emissions: Phase 7

CalEEMod Land Use Inputs

Land Use	CalEEMod Land Use Type	Units ^a		Res. Pop.
Existing Uses Parking Lot	Surface Parking Lot	110 spaces	44,000 sf	
Project Office Office Support Retail Aboveground Parking Structure Underground Parking Structure	General Office Building General Office Building Strip Mall Unenclosed Parking with Elevator Enclosed Parking with Elevator	246.5 ksf 3.9 ksf 12 ksf 561 spaces 240 spaces	246,499 sf 3,853 sf 11,870 sf 224,400 sf 96,000 sf	
Lot Area		0.90 acres	582,622 sf	

Notes:
a. Square footage values may be rounded up to provide a conservative analysis.
Sources: Atlas Capital Group, Johnson Fain, May 2016; ESA PCR, 2016

Construction Schedule and California Emissions Estimator Model (CalEEMod) Inputs

CalEEMod Construction Phase	Start Date	End Date	No. Work Days	Site Prep/ Demo (CY)	Truck Capacity (CY)	Truck Total One-Way Trips	Truck Daily One-Way Trips	Soil Export ^a (CY)	Soil Import (CY)	Soil Haul Truck Capacity (CY)	Soil Haul Truck Total One-Way Trips	Soil Haul Truck Daily One-Way Trips	Concrete Mat Volume ^a (CY)	Concrete Truck Capacity (CY)	Concrete Truck Total One-Way Trips	Concrete Truck Daily One-Way Trips	Vendor One-Way Trips/Max Day ^b	Worker One-Way Trips/Max Day ^c
Project Site Preparation/Demo Mass Grading/Excavation Building Construction Paving Architectural Coating	1/5/2032 2/14/2032 3/13/2032 1/1/2033 1/1/2033	2/13/2032 3/26/2032 1/28/2033 1/28/2033 3/5/2033	30 30 230 20 45	2,650	16	332	11	51,038	-	10	10,208	340						

Burbank De Soto - Phase 7 - South Coast Air Basin, Annual

Burbank De Soto - Phase 7

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	246.50	1000sqft	0.38	246,499.00	0
General Office Building	3.85	1000sqft	0.01	3,853.00	0
Enclosed Parking with Elevator	240.00	Space	2.16	96,000.00	0
Unenclosed Parking with Elevator	561.00	Space	5.05	224,400.00	0
Strip Mall	11.87	1000sqft	0.02	11,870.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2033
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

Project Characteristics -

Land Use - See construction assumptions

Construction Phase - See construction assumptions

Off-road Equipment -

Off-road Equipment -

[illegible]

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblGrading	AcresOfGrading	15.00	0.90
tblGrading	MaterialExported	0.00	51,038.00
tblLandUse	LandUseSquareFeet	246,500.00	246,499.00
tblLandUse	LandUseSquareFeet	3,850.00	3,853.00
tblLandUse	LotAcreage	5.66	0.38
tblLandUse	LotAcreage	0.09	0.01
tblLandUse	LotAcreage	0.27	0.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblTripsAndVMT	HaulingTripNumber	132.00	332.00
tblTripsAndVMT	HaulingTripNumber	6,380.00	10,208.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.2877	2.5123	3.0306	0.0121	0.5952	0.0288	0.6240	0.2096	0.0287	0.2382	0.0000	1,118.0286	1,118.0286	0.0544	0.0000	1,119.3888
2033	1.3117	0.3193	0.5815	1.5700e-003	0.0667	6.7000e-003	0.0734	0.0179	6.6800e-003	0.0246	0.0000	140.0429	140.0429	5.2000e-003	0.0000	140.1731
Maximum	1.3117	2.5123	3.0306	0.0121	0.5952	0.0288	0.6240	0.2096	0.0287	0.2382	0.0000	1,118.0286	1,118.0286	0.0544	0.0000	1,119.3888

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	0.1489	1.6955	3.3100	0.0121	0.4742	0.0105	0.4847	0.1474	0.0103	0.1577	0.0000	1,118.0281	1,118.0281	0.0544	0.0000	1,119.3883
2033	1.2837	0.1476	0.6179	1.5700e-003	0.0667	1.6700e-003	0.0684	0.0179	1.6500e-003	0.0196	0.0000	140.0429	140.0429	5.2000e-003	0.0000	140.1730
Maximum	1.2837	1.6955	3.3100	0.0121	0.4742	0.0105	0.4847	0.1474	0.0103	0.1577	0.0000	1,118.0281	1,118.0281	0.0544	0.0000	1,119.3883

	ROG	NOx	CO	SO2	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	10.43	34.91	-8.74	0.00	18.27	65.83	20.70	27.34	66.21	32.56	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-5-2032	4-4-2032	1.1952	0.8668
2	4-5-2032	7-4-2032	0.5267	0.3197
3	7-5-2032	10-4-2032	0.5326	0.3233
4	10-5-2032	1-4-2033	0.5881	0.3676
5	1-5-2033	4-4-2033	1.2234	1.0525
6	4-5-2033	7-4-2033	0.3328	0.3233
		Highest	1.2234	1.0525

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	1/5/2032	2/13/2032	5	30	
2	Site Preparation	Site Preparation	1/5/2032	2/13/2032	5	30	
3	Grading	Grading	2/14/2032	3/26/2032	5	30	
4	Building Construction	Building Construction	3/26/2032	2/10/2033	5	230	
5	Paving	Paving	1/1/2033	1/28/2033	5	20	

6	Architectural Coating	Architectural Coating	1/1/2033	5/6/2033	5	90
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.9

Acres of Paving: 7.21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 393,333; Non-Residential Outdoor: 131,111; Striped Parking Area:

OffRoad Equipment

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	332.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	10,208.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	218.00	95.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0143	0.0000	0.0143	2.1600e-003	0.0000	2.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0311	0.1467	0.2838	6.9000e-004		5.2700e-003	5.2700e-003		5.2700e-003	5.2700e-003	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6456
Total	0.0311	0.1467	0.2838	6.9000e-004	0.0143	5.2700e-003	0.0195	2.1600e-003	5.2700e-003	7.4300e-003	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6456

Unmitigated Construction Off-Site

[illegible]

Worker	4.9000e-004	2.6000e-004	3.7200e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.5304	1.5304	2.0000e-005	0.0000	1.5309
Total	1.2600e-003	0.0237	0.0129	1.3000e-004	5.3200e-003	5.0000e-005	5.3800e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	12.9111	12.9111	8.1000e-004	0.0000	12.9314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.5700e-003	0.0000	5.5700e-003	8.4000e-004	0.0000	8.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9300e-003	0.0301	0.3492	6.9000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6455
Total	6.9300e-003	0.0301	0.3492	6.9000e-004	5.5700e-003	9.2000e-004	6.4900e-003	8.4000e-004	9.2000e-004	1.7600e-003	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6455

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0234	9.1800e-003	1.1000e-004	2.8500e-003	4.0000e-005	2.9000e-003	7.8000e-004	4.0000e-005	8.2000e-004	0.0000	11.3807	11.3807	7.9000e-004	0.0000	11.4004
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	2.6000e-004	3.7200e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.5304	1.5304	2.0000e-005	0.0000	1.5309
Total	1.2600e-003	0.0237	0.0129	1.3000e-004	5.3200e-003	5.0000e-005	5.3800e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	12.9111	12.9111	8.1000e-004	0.0000	12.9314

3.3 Site Preparation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	9.0000e-005	1.2400e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5101	0.5101	1.0000e-005	0.0000	0.5103
Total	1.6000e-004	9.0000e-005	1.2400e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5101	0.5101	1.0000e-005	0.0000	0.5103

3.4 Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0937	0.0000	0.0937	0.0501	0.0000	0.0501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.1163	0.2168	5.4000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	46.8069	46.8069	1.9500e-003	0.0000	46.8558
Total	0.0243	0.1163	0.2168	5.4000e-004	0.0937	3.5100e-003	0.0972	0.0501	3.5100e-003	0.0537	0.0000	46.8069	46.8069	1.9500e-003	0.0000	46.8558

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0235	0.7202	0.2824	3.5200e-003	0.0877	1.2900e-003	0.0890	0.0241	1.2300e-003	0.0253	0.0000	349.9233	349.9233	0.0242	0.0000	350.5287
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	2.6000e-004	3.7200e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.5304	1.5304	2.0000e-005	0.0000	1.5309
Total	0.0240	0.7204	0.2861	3.5400e-003	0.0902	1.3000e-003	0.0915	0.0247	1.2400e-003	0.0260	0.0000	351.4537	351.4537	0.0242	0.0000	352.0596

Mitigated Construction On-Site

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

Vendor	0.0164	0.6190	0.1737	2.2000e-003	0.0602	6.6000e-004	0.0608	0.0174	6.3000e-004	0.0180	0.0000	215.1982	215.1982	0.0113	0.0000	215.4801
Worker	0.0476	0.0256	0.3626	1.6500e-003	0.2404	1.0600e-003	0.2414	0.0638	9.7000e-004	0.0648	0.0000	149.0198	149.0198	2.1000e-003	0.0000	149.0722
Total	0.0639	0.6446	0.5363	3.8500e-003	0.3005	1.7200e-003	0.3023	0.0812	1.6000e-003	0.0828	0.0000	364.2181	364.2181	0.0134	0.0000	364.5523

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0450	0.2438	1.7653	3.1100e-003		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	264.1750	264.1750	0.0106	0.0000	264.4400
Total	0.0450	0.2438	1.7653	3.1100e-003		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	264.1750	264.1750	0.0106	0.0000	264.4400

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0164	0.6190	0.1737	2.2000e-003	0.0602	6.6000e-004	0.0608	0.0174	6.3000e-004	0.0180	0.0000	215.1982	215.1982	0.0113	0.0000	215.4801
Worker	0.0476	0.0256	0.3626	1.6500e-003	0.2404	1.0600e-003	0.2414	0.0638	9.7000e-004	0.0648	0.0000	149.0198	149.0198	2.1000e-003	0.0000	149.0722
Total	0.0639	0.6446	0.5363	3.8500e-003	0.3005	1.7200e-003	0.3023	0.0812	1.6000e-003	0.0828	0.0000	364.2181	364.2181	0.0134	0.0000	364.5523

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0190	0.1151	0.2343	4.5000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	38.1149	38.1149	1.5300e-003	0.0000	38.1531

Total	0.0190	0.1151	0.2343	4.5000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	38.1149	38.1149	1.5300e-003	0.0000	38.1531
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3500e-003	0.0888	0.0250	3.2000e-004	8.6800e-003	9.0000e-005	8.7800e-003	2.5000e-003	9.0000e-005	2.5900e-003	0.0000	30.9955	30.9955	1.6100e-003	0.0000	31.0358
Worker	6.4100e-003	3.4100e-003	0.0495	2.3000e-004	0.0347	1.4000e-004	0.0348	9.2100e-003	1.3000e-004	9.3400e-003	0.0000	21.1152	21.1152	2.8000e-004	0.0000	21.1222
Total	8.7600e-003	0.0922	0.0745	5.5000e-004	0.0434	2.3000e-004	0.0436	0.0117	2.2000e-004	0.0119	0.0000	52.1107	52.1107	1.8900e-003	0.0000	52.1580

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5000e-003	0.0352	0.2547	4.5000e-004		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	38.1148	38.1148	1.5300e-003	0.0000	38.1530
Total	6.5000e-003	0.0352	0.2547	4.5000e-004		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	38.1148	38.1148	1.5300e-003	0.0000	38.1530

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3500e-003	0.0888	0.0250	3.2000e-004	8.6800e-003	9.0000e-005	8.7800e-003	2.5000e-003	9.0000e-005	2.5900e-003	0.0000	30.9955	30.9955	1.6100e-003	0.0000	31.0358
Worker	6.4100e-003	3.4100e-003	0.0495	2.3000e-004	0.0347	1.4000e-004	0.0348	9.2100e-003	1.3000e-004	9.3400e-003	0.0000	21.1152	21.1152	2.8000e-004	0.0000	21.1222

Worker	4.0100e-003	2.1400e-003	0.0310	1.5000e-004	0.0217	9.0000e-005	0.0218	5.7700e-003	8.0000e-005	5.8500e-003	0.0000	13.2263	13.2263	1.7000e-004	0.0000	13.2306
Total	4.0100e-003	2.1400e-003	0.0310	1.5000e-004	0.0217	9.0000e-005	0.0218	5.7700e-003	8.0000e-005	5.8500e-003	0.0000	13.2263	13.2263	1.7000e-004	0.0000	13.2306

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013
Total	1.2613	5.7900e-003	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	4.7000e-004	0.0000	11.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0100e-003	2.1400e-003	0.0310	1.5000e-004	0.0217	9.0000e-005	0.0218	5.7700e-003	8.0000e-005	5.8500e-003	0.0000	13.2263	13.2263	1.7000e-004	0.0000	13.2306
Total	4.0100e-003	2.1400e-003	0.0310	1.5000e-004	0.0217	9.0000e-005	0.0218	5.7700e-003	8.0000e-005	5.8500e-003	0.0000	13.2263	13.2263	1.7000e-004	0.0000	13.2306

Project Construction Emissions: Phase 8

CalEEMod Land Use Inputs

Land Use	CalEEMod Land Use Type	Units ^a	
Existing Uses			
3 Story Office	Office	61 ksf	61,395 sf
Parking Lot	Surface Parking Lot	189 spaces	75,600 sf
Project			
Building 4			
Office + Office Support	General Office	421 ksf	421,051 sf
Office Support	General Office	8 ksf	8,077 sf
Retail	Strip Mall	16 ksf	15,741 sf
Restaurant	High Turnover (Sit Down Restaurant)	4.9 ksf	4,897 sf
Building 4a			
Restaurant	High Turnover (Sit Down Restaurant)	3.9 ksf	3,942 sf
Community Space		4.1 ksf	4,068 sf
Aboveground Parking Structure	Unenclosed Parking with Elevator	1,132 spaces	452,800 sf
Underground Parking Structure	Enclosed Parking with Elevator	252 spaces	100,800 sf
Lot Area		1.84 acres	##### sf

a. Square footage values may be rounded up to provide a conservative analysis.

[illegible]

Burbank De Soto - Phase 8 - South Coast Air Basin, Annual

Burbank De Soto - Phase 8

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	421.05	1000sqft	0.80	421,051.00	0
General Office Building	8.08	1000sqft	0.01	8,077.00	0
Enclosed Parking with Elevator	252.00	Space	0.20	100,800.00	0
Unenclosed Parking with Elevator	1,132.00	Space	0.80	452,800.00	0
Health Club	4.07	1000sqft	0.01	4,068.00	0
High Turnover (Sit Down Restaurant)	4.90	1000sqft	0.01	4,897.00	0
High Turnover (Sit Down Restaurant)	3.94	1000sqft	0.01	3,942.00	0
Strip Mall	15.74	1000sqft	0.03	15,741.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2035
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

Project Characteristics -

Land Use - See construction assumptions

Construction Phase - See construction assumptions

Off-road Equipment -

Trips and VMT - See construction assumptions

Demolition - See construction assumptions

Grading - See construction assumptions

Construction Off-road Equipment Mitigation - See construction assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	228,888.00	227,169.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	686,664.00	681,506.00
tblAreaCoating	Area_Nonresidential_Exterior	228888	227169
tblAreaCoating	Area_Nonresidential_Interior	686664	681506
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	200.00	370.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	4.00	35.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	30.00
tblFleetMix	HHD	0.04	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7770e-003	0.00
tblFleetMix	MCY	4.8550e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	7.3500e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.2040e-003	0.00
tblFleetMix	SBUS	7.1600e-004	0.00
tblFleetMix	UBUS	1.4160e-003	0.00
tblGrading	AcresOfGrading	87.50	1.84
tblGrading	MaterialExported	0.00	81,738.00

tblLandUse	LandUseSquareFeet	421,050.00	421,051.00
tblLandUse	LandUseSquareFeet	8,080.00	8,077.00
tblLandUse	LandUseSquareFeet	4,070.00	4,068.00
tblLandUse	LandUseSquareFeet	3,940.00	3,942.00
tblLandUse	LandUseSquareFeet	4,900.00	4,897.00
tblLandUse	LandUseSquareFeet	15,740.00	15,741.00
tblLandUse	LotAcreage	9.67	0.80
tblLandUse	LotAcreage	0.19	0.01
tblLandUse	LotAcreage	2.27	0.20
tblLandUse	LotAcreage	10.19	0.80
tblLandUse	LotAcreage	0.09	0.01
tblLandUse	LotAcreage	0.09	0.01
tblLandUse	LotAcreage	0.11	0.01
tblLandUse	LotAcreage	0.36	0.03
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	105.20	112.69
tblTripsAndVMT	HaulingTripNumber	350.00	887.00
tblTripsAndVMT	HaulingTripNumber	10,217.00	16,348.00
tblWater	IndoorWaterUseRate	2,683,238.02	2,874,464.26
tblWater	OutdoorWaterUseRate	171,270.51	183,476.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2034	0.4121	3.6592	3.9940	0.0190	1.0779	0.0412	1.1192	0.3918	0.0410	0.4328	0.0000	1,774.6906	1,774.6906	0.0843	0.0000	1,776.7968
2035	2.4297	1.7701	2.7314	0.0105	0.5283	0.0150	0.5433	0.1425	0.0148	0.1572	0.0000	955.4118	955.4118	0.0322	0.0000	956.2157
Maximum	2.4297	3.6592	3.9940	0.0190	1.0779	0.0412	1.1192	0.3918	0.0410	0.4328	0.0000	1,774.6906	1,774.6906	0.0843	0.0000	1,776.7968

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2034	0.2191	2.6518	4.6558	0.0190	0.8218	0.0151	0.8369	0.2616	0.0149	0.2765	0.0000	1,774.6899	1,774.6899	0.0843	0.0000	1,776.7961
2035	2.3333	1.2587	3.0787	0.0105	0.5283	8.7000e-003	0.5370	0.1425	8.5300e-003	0.1510	0.0000	955.4114	955.4114	0.0322	0.0000	956.2153
Maximum	2.3333	2.6518	4.6558	0.0190	0.8218	0.0151	0.8369	0.2616	0.0149	0.2765	0.0000	1,774.6899	1,774.6899	0.0843	0.0000	1,776.7961

	ROG	NOx	CO	SO2	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	10.19	27.97	-15.00	0.00	15.95	57.61	17.35	24.37	58.05	27.55	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-5-2034	4-4-2034	1.9052	1.3361
2	4-5-2034	7-4-2034	0.7336	0.5191
3	7-5-2034	10-4-2034	0.7199	0.5054
4	10-5-2034	1-4-2035	0.7211	0.5078
5	1-5-2035	4-4-2035	0.9016	0.7124
6	4-5-2035	7-4-2035	1.6611	1.4519
7	7-5-2035	9-30-2035	1.4800	1.2836
		Highest	1.9052	1.4519

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	1/5/2034	2/15/2034	5	30	
2	Site Preparation	Site Preparation	1/5/2034	2/15/2034	5	30	
3	Grading	Grading	2/16/2034	4/5/2034	5	35	
4	Building Construction	Building Construction	4/6/2034	9/5/2035	5	370	
5	Architectural Coating	Architectural Coating	3/15/2035	10/10/2035	5	150	
6	Paving	Paving	8/9/2035	9/5/2035	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.84

Acres of Paving: 1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 681,506; Non-Residential Outdoor: 227,169; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	887.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	16,348.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	380.00	166.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment
Water Exposed Area

3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0379	0.0000	0.0379	5.7400e-003	0.0000	5.7400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0311	0.1467	0.2838	6.9000e-004		5.2700e-003	5.2700e-003		5.2700e-003	5.2700e-003	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6456
Total	0.0311	0.1467	0.2838	6.9000e-004	0.0379	5.2700e-003	0.0432	5.7400e-003	5.2700e-003	0.0110	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6456

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0300e-003	0.0614	0.0246	3.0000e-004	7.6200e-003	1.1000e-004	7.7300e-003	2.0900e-003	1.0000e-004	2.2000e-003	0.0000	30.2786	30.2786	2.0900e-003	0.0000	30.3308
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.3000e-004	3.3300e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.4790	1.4790	2.0000e-005	0.0000	1.4794
Total	2.4600e-003	0.0617	0.0279	3.2000e-004	0.0101	1.2000e-004	0.0102	2.7500e-003	1.1000e-004	2.8600e-003	0.0000	31.7576	31.7576	2.1100e-003	0.0000	31.8102

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					0.0148	0.0000	0.0148	2.2400e-003	0.0000	2.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9300e-003	0.0301	0.3492	6.9000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6455
Total	6.9300e-003	0.0301	0.3492	6.9000e-004	0.0148	9.2000e-004	0.0157	2.2400e-003	9.2000e-004	3.1600e-003	0.0000	59.5827	59.5827	2.5100e-003	0.0000	59.6455

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0300e-003	0.0614	0.0246	3.0000e-004	7.6200e-003	1.1000e-004	7.7300e-003	2.0900e-003	1.0000e-004	2.2000e-003	0.0000	30.2786	30.2786	2.0900e-003	0.0000	30.3308
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.3000e-004	3.3300e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.4790	1.4790	2.0000e-005	0.0000	1.4794
Total	2.4600e-003	0.0617	0.0279	3.2000e-004	0.0101	1.2000e-004	0.0102	2.7500e-003	1.1000e-004	2.8600e-003	0.0000	31.7576	31.7576	2.1100e-003	0.0000	31.8102

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.2050	0.2444	7.0000e-004		6.5500e-003	6.5500e-003		6.5500e-003	6.5500e-003	0.0000	60.0069	60.0069	2.9600e-003	0.0000	60.0809
Total	0.0366	0.2050	0.2444	7.0000e-004	0.2710	6.5500e-003	0.2775	0.1490	6.5500e-003	0.1555	0.0000	60.0069	60.0069	2.9600e-003	0.0000	60.0809

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	2.7000e-004	3.9900e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7748	1.7748	2.0000e-005	0.0000	1.7753
Total	5.1000e-004	2.7000e-004	3.9900e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7748	1.7748	2.0000e-005	0.0000	1.7753

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9800e-003	0.0303	0.3130	7.0000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	60.0069	60.0069	2.9600e-003	0.0000	60.0809
Total	6.9800e-003	0.0303	0.3130	7.0000e-004	0.1057	9.3000e-004	0.1066	0.0581	9.3000e-004	0.0590	0.0000	60.0069	60.0069	2.9600e-003	0.0000	60.0809

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	2.7000e-004	3.9900e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7748	1.7748	2.0000e-005	0.0000	1.7753
Total	5.1000e-004	2.7000e-004	3.9900e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7748	1.7748	2.0000e-005	0.0000	1.7753

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1110	0.0000	0.1110	0.0587	0.0000	0.0587	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0574	0.2423	0.4029	1.2200e-003		8.5400e-003	8.5400e-003		8.5400e-003	8.5400e-003	0.0000	114.5134	114.5134	4.6300e-003	0.0000	114.6291
Total	0.0574	0.2423	0.4029	1.2200e-003	0.1110	8.5400e-003	0.1195	0.0587	8.5400e-003	0.0673	0.0000	114.5134	114.5134	4.6300e-003	0.0000	114.6291

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0374	1.1323	0.4535	5.6100e-003	0.1405	2.0100e-003	0.1425	0.0386	1.9300e-003	0.0405	0.0000	558.0542	558.0542	0.0385	0.0000	559.0165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.5000e-004	5.1800e-003	3.0000e-005	3.8400e-003	1.0000e-005	3.8500e-003	1.0200e-003	1.0000e-005	1.0300e-003	0.0000	2.3006	2.3006	3.0000e-005	0.0000	2.3013
Total	0.0381	1.1326	0.4587	5.6400e-003	0.1443	2.0200e-003	0.1464	0.0396	1.9400e-003	0.0415	0.0000	560.3548	560.3548	0.0385	0.0000	561.3178

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0433	0.0000	0.0433	0.0229	0.0000	0.0229	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.0578	0.5775	1.2200e-003		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	114.5133	114.5133	4.6300e-003	0.0000	114.6290
Total	0.0133	0.0578	0.5775	1.2200e-003	0.0433	1.7800e-003	0.0451	0.0229	1.7800e-003	0.0247	0.0000	114.5133	114.5133	4.6300e-003	0.0000	114.6290

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0374	1.1323	0.4535	5.6100e-003	0.1405	2.0100e-003	0.1425	0.0386	1.9300e-003	0.0405	0.0000	558.0542	558.0542	0.0385	0.0000	559.0165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	3.5000e-004	5.1800e-003	3.0000e-005	3.8400e-003	1.0000e-005	3.8500e-003	1.0200e-003	1.0000e-005	1.0300e-003	0.0000	2.3006	2.3006	3.0000e-005	0.0000	2.3013
Total	0.0381	1.1326	0.4587	5.6400e-003	0.1443	2.0200e-003	0.1464	0.0396	1.9400e-003	0.0415	0.0000	560.3548	560.3548	0.0385	0.0000	561.3178

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1494	0.8130	1.7447	4.0900e-003		0.0161	0.0161		0.0161	0.0161	0.0000	348.8028	348.8028	0.0120	0.0000	349.1026
Total	0.1494	0.8130	1.7447	4.0900e-003		0.0161	0.0161		0.0161	0.0161	0.0000	348.8028	348.8028	0.0120	0.0000	349.1026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	1.0211	0.2881	3.6600e-003	0.1004	1.0700e-003	0.1015	0.0290	1.0200e-003	0.0300	0.0000	358.1065	358.1065	0.0186	0.0000	358.5702
Worker	0.0695	0.0366	0.5396	2.6500e-003	0.4002	1.5400e-003	0.4018	0.1063	1.4200e-003	0.1077	0.0000	239.7912	239.7912	2.9600e-003	0.0000	239.8651
Total	0.0965	1.0577	0.8277	6.3100e-003	0.5007	2.6100e-003	0.5033	0.1353	2.4400e-003	0.1377	0.0000	597.8977	597.8977	0.0215	0.0000	598.4352

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0542	0.2815	2.0978	4.0900e-003		6.7100e-003	6.7100e-003		6.7100e-003	6.7100e-003	0.0000	348.8024	348.8024	0.0120	0.0000	349.1022
Total	0.0542	0.2815	2.0978	4.0900e-003		6.7100e-003	6.7100e-003		6.7100e-003	6.7100e-003	0.0000	348.8024	348.8024	0.0120	0.0000	349.1022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	1.0211	0.2881	3.6600e-003	0.1004	1.0700e-003	0.1015	0.0290	1.0200e-003	0.0300	0.0000	358.1065	358.1065	0.0186	0.0000	358.5702
Worker	0.0695	0.0366	0.5396	2.6500e-003	0.4002	1.5400e-003	0.4018	0.1063	1.4200e-003	0.1077	0.0000	239.7912	239.7912	2.9600e-003	0.0000	239.8651
Total	0.0965	1.0577	0.8277	6.3100e-003	0.5007	2.6100e-003	0.5033	0.1353	2.4400e-003	0.1377	0.0000	597.8977	597.8977	0.0215	0.0000	598.4352

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1302	0.6845	1.6140	3.8000e-003		9.7800e-003	9.7800e-003		9.7800e-003	9.7800e-003	0.0000	323.3693	323.3693	0.0104	0.0000	323.6304
Total	0.1302	0.6845	1.6140	3.8000e-003		9.7800e-003	9.7800e-003		9.7800e-003	9.7800e-003	0.0000	323.3693	323.3693	0.0104	0.0000	323.6304

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0249	0.9424	0.2662	3.3900e-003	0.0931	9.8000e-004	0.0941	0.0269	9.4000e-004	0.0278	0.0000	331.6590	331.6590	0.0171	0.0000	332.0863
Worker	0.0611	0.0321	0.4761	2.4200e-003	0.3711	1.3400e-003	0.3724	0.0985	1.2300e-003	0.0998	0.0000	219.2159	219.2159	2.5400e-003	0.0000	219.2795
Total	0.0860	0.9744	0.7423	5.8100e-003	0.4642	2.3200e-003	0.4665	0.1254	2.1700e-003	0.1276	0.0000	550.8748	550.8748	0.0196	0.0000	551.3657

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0489	0.2569	1.9436	3.8000e-003		5.4700e-003	5.4700e-003		5.4700e-003	5.4700e-003	0.0000	323.3689	323.3689	0.0104	0.0000	323.6300
Total	0.0489	0.2569	1.9436	3.8000e-003		5.4700e-003	5.4700e-003		5.4700e-003	5.4700e-003	0.0000	323.3689	323.3689	0.0104	0.0000	323.6300

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0249	0.9424	0.2662	3.3900e-003	0.0931	9.8000e-004	0.0941	0.0269	9.4000e-004	0.0278	0.0000	331.6590	331.6590	0.0171	0.0000	332.0863
Worker	0.0611	0.0321	0.4761	2.4200e-003	0.3711	1.3400e-003	0.3724	0.0985	1.2300e-003	0.0998	0.0000	219.2159	219.2159	2.5400e-003	0.0000	219.2795
Total	0.0860	0.9744	0.7423	5.8100e-003	0.4642	2.3200e-003	0.4665	0.1254	2.1700e-003	0.1276	0.0000	550.8748	550.8748	0.0196	0.0000	551.3657

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

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

Archit. Coating	2.1828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8400e-003	0.0568	0.1346	2.2000e-004		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	19.1494	19.1494	7.1000e-004	0.0000	19.1671
Total	2.1917	0.0568	0.1346	2.2000e-004		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	19.1494	19.1494	7.1000e-004	0.0000	19.1671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	5.4100e-003	0.0802	4.1000e-004	0.0625	2.3000e-004	0.0628	0.0166	2.1000e-004	0.0168	0.0000	36.9465	36.9465	4.3000e-004	0.0000	36.9572
Total	0.0103	5.4100e-003	0.0802	4.1000e-004	0.0625	2.3000e-004	0.0628	0.0166	2.1000e-004	0.0168	0.0000	36.9465	36.9465	4.3000e-004	0.0000	36.9572

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2300e-003	9.6600e-003	0.1374	2.2000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	19.1494	19.1494	7.1000e-004	0.0000	19.1671
Total	2.1851	9.6600e-003	0.1374	2.2000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	19.1494	19.1494	7.1000e-004	0.0000	19.1671

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	5.4100e-003	0.0802	4.1000e-004	0.0625	2.3000e-004	0.0628	0.0166	2.1000e-004	0.0168	0.0000	36.9465	36.9465	4.3000e-004	0.0000	36.9572
Total	0.0103	5.4100e-003	0.0802	4.1000e-004	0.0625	2.3000e-004	0.0628	0.0166	2.1000e-004	0.0168	0.0000	36.9465	36.9465	4.3000e-004	0.0000	36.9572

3.7 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.0488	0.1582	2.8000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	24.0995	24.0995	9.3000e-004	0.0000	24.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0114	0.0488	0.1582	2.8000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	24.0995	24.0995	9.3000e-004	0.0000	24.1227

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.4000e-004	2.1100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	0.9723	0.9723	1.0000e-005	0.0000	0.9726
Total	2.7000e-004	1.4000e-004	2.1100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	0.9723	0.9723	1.0000e-005	0.0000	0.9726

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0122	0.1730	2.8000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	24.0995	24.0995	9.3000e-004	0.0000	24.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-003	0.0122	0.1730	2.8000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	24.0995	24.0995	9.3000e-004	0.0000	24.1227

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.4000e-004	2.1100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	0.9723	0.9723	1.0000e-005	0.0000	0.9726
Total	2.7000e-004	1.4000e-004	2.1100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	0.9723	0.9723	1.0000e-005	0.0000	0.9726

F-3 Project Operational Emissions

Burbank De Soto Phase Operational New (All Phases) - Los Angeles-South Coast County, Annual

Burbank De Soto Phase Operational New (All Phases)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,211.61	1000sqft	6.05	1,211,607.00	0
Enclosed Parking with Elevator	1,368.00	Space	3.00	547,200.00	0
Unenclosed Parking with Elevator	4,180.00	Space	8.28	1,672,000.00	0
Health Club	4.07	1000sqft	0.01	4,068.00	0
High Turnover (Sit Down Restaurant)	41.63	1000sqft	0.21	41,631.00	0
Hotel	228.00	Room	0.79	157,535.00	0
Apartments Mid Rise	1,009.00	Dwelling Unit	5.98	1,175,513.00	2886
Strip Mall	44.54	1000sqft	0.22	44,543.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2035
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

Project Characteristics -

Land Use - Acreage proportional to entire lot size and square footage

Vehicle Trips - See Operational Trips and VMT Worksheet

Water Mitigation -

Waste Mitigation - Per City of LA Zero Waste Plan

Woodstoves - no fireplaces

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	857.65	0.00
tblFireplaces	NumberNoFireplace	100.90	0.00
tblFireplaces	NumberWood	50.45	0.00
tblLandUse	LandUseSquareFeet	1,211,610.00	1,211,607.00
tblLandUse	LandUseSquareFeet	4,070.00	4,068.00
tblLandUse	LandUseSquareFeet	41,630.00	41,631.00
tblLandUse	LandUseSquareFeet	331,056.00	157,535.00
tblLandUse	LandUseSquareFeet	1,009,000.00	1,175,513.00
tblLandUse	LandUseSquareFeet	44,540.00	44,543.00
tblLandUse	LotAcreage	27.81	6.05
tblLandUse	LotAcreage	12.31	3.00
tblLandUse	LotAcreage	37.62	8.28
tblLandUse	LotAcreage	0.09	0.01
tblLandUse	LotAcreage	0.96	0.21
tblLandUse	LotAcreage	7.60	0.79
tblLandUse	LotAcreage	26.55	5.98
tblLandUse	LotAcreage	1.02	0.22
tblVehicleTrips	ST_TR	6.39	4.57

tblVehicleTrips	ST_TR	2.46	1.67
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	158.37	96.45
tblVehicleTrips	ST_TR	8.19	6.05
tblVehicleTrips	ST_TR	42.04	20.18
tblVehicleTrips	SU_TR	5.86	4.19
tblVehicleTrips	SU_TR	1.05	0.98
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	131.84	80.29
tblVehicleTrips	SU_TR	5.95	4.39
tblVehicleTrips	SU_TR	20.43	9.81
tblVehicleTrips	WD_TR	6.65	4.76
tblVehicleTrips	WD_TR	11.03	7.47
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	127.15	77.43
tblVehicleTrips	WD_TR	8.17	6.03
tblVehicleTrips	WD_TR	44.32	31.27
tblWoodstoves	NumberCatalytic	50.45	0.00
tblWoodstoves	NumberNoncatalytic	50.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.0580	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886
Energy	0.2007	1.7920	1.2937	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	18,671.3448	18,671.3448	0.4321	0.1180	18,717.2959
Mobile	2.7278	16.6462	34.2973	0.1755	18.3381	0.0904	18.4284	4.9136	0.0839	4.9975	0.0000	16,361.1620	16,361.1620	0.6558	0.0000	16,377.5564
Waste						0.0000	0.0000		0.0000	0.0000	463.0508	0.0000	463.0508	27.3655	0.0000	1,147.1888
Water						0.0000	0.0000		0.0000	0.0000	96.1419	3,293.2853	3,389.4272	9.9525	0.2493	3,712.5172
Total	13.9864	18.5586	46.0497	0.1870	18.3381	0.2871	18.6251	4.9136	0.2806	5.1942	559.1927	38,342.9650	38,902.1576	38.4225	0.3672	39,972.1468

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.0580	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886
Energy	0.2007	1.7920	1.2937	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	18,671.3448	18,671.3448	0.4321	0.1180	18,717.2959
Mobile	2.7278	16.6462	34.2973	0.1755	18.3381	0.0904	18.4284	4.9136	0.0839	4.9975	0.0000	16,361.1620	16,361.1620	0.6558	0.0000	16,377.5564
Waste						0.0000	0.0000		0.0000	0.0000	111.1322	0.0000	111.1322	6.5677	0.0000	275.3253
Water						0.0000	0.0000		0.0000	0.0000	76.9135	2,786.9098	2,863.8233	7.9656	0.2002	3,122.6069
Total	13.9864	18.5586	46.0497	0.1870	18.3381	0.2871	18.6251	4.9136	0.2806	5.1942	188.0457	37,836.5894	38,024.6351	15.6378	0.3181	38,510.3731

	ROG	NOx	CO	SO2	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	66.37	1.32	2.26	59.30	13.37	3.66

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7278	16.6462	34.2973	0.1755	18.3381	0.0904	18.4284	4.9136	0.0839	4.9975	0.0000	16,361.1620	16,361.1620	0.6558	0.0000	16,377.5564
Unmitigated	2.7278	16.6462	34.2973	0.1755	18.3381	0.0904	18.4284	4.9136	0.0839	4.9975	0.0000	16,361.1620	16,361.1620	0.6558	0.0000	16,377.5564

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,802.84	4,611.13	4227.71	16,037,690	16,037,690
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	9,050.73	2,023.39	1187.38	22,303,739	22,303,739
Health Club	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	3,223.41	4,015.21	3342.47	4,570,299	4,570,299
Hotel	1,374.84	1,379.40	1000.92	3,154,695	3,154,695
Strip Mall	1,392.77	898.82	436.94	2,255,821	2,255,821
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	19,844.58	12,927.95	10,195.42	48,322,245	48,322,245

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Health Club	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
High Turnover (Sit Down Restaurant)	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Strip Mall	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Unenclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	16,685.0931	16,685.0931	0.3941	0.0815	16,719.2408
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	16,685.0931	16,685.0931	0.3941	0.0815	16,719.2408
NaturalGas Mitigated	0.2007	1.7920	1.2937	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	1,986.2518	1,986.2518	0.0381	0.0364	1,998.0551
NaturalGas Unmitigated	0.2007	1.7920	1.2937	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	1,986.2518	1,986.2518	0.0381	0.0364	1,998.0551

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.1077e+007	0.0597	0.5104	0.2172	3.2600e-003		0.0413	0.0413		0.0413	0.0413	0.0000	591.1100	591.1100	0.0113	0.0108	594.6227
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.26128e+007	0.0680	0.6183	0.5194	3.7100e-003		0.0470	0.0470		0.0470	0.0470	0.0000	673.0686	673.0686	0.0129	0.0123	677.0683
Health Club	73630.8	4.0000e-004	3.6100e-003	3.0300e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9292	3.9292	8.0000e-005	7.0000e-005	3.9526
High Turnover (Sit Down Restaurant)	9.60677e+006	0.0518	0.4709	0.3956	2.8300e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.6538	512.6538	9.8300e-003	9.4000e-003	515.7003
Hotel	3.77769e+006	0.0204	0.1852	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	201.5919	201.5919	3.8600e-003	3.7000e-003	202.7899
Strip Mall	73050.5	3.9000e-004	3.5800e-003	3.0100e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8983	3.8983	7.0000e-005	7.0000e-005	3.9214
Unenclosed Parking with Electric Vehicle	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2007	1.7920	1.2937	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	1,986.2518	1,986.2518	0.0381	0.0364	1,998.0551

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.1077e+07	0.0597	0.5104	0.2172	3.2600e-003		0.0413	0.0413		0.0413	0.0413	0.0000	591.1100	591.1100	0.0113	0.0108	594.6227
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.26128e+007	0.0680	0.6183	0.5194	3.7100e-003		0.0470	0.0470		0.0470	0.0470	0.0000	673.0686	673.0686	0.0129	0.0123	677.0683
Health Club	73630.8	4.0000e-004	3.6100e-003	3.0300e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9292	3.9292	8.0000e-005	7.0000e-005	3.9526
High Turnover (Sit Down Restaurant)	9.60677e+006	0.0518	0.4709	0.3956	2.8300e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.6538	512.6538	9.8300e-003	9.4000e-003	515.7003
Hotel	3.77769e+006	0.0204	0.1852	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	201.5919	201.5919	3.8600e-003	3.7000e-003	202.7899
Strip Mall	73050.5	3.9000e-004	3.5800e-003	3.0100e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8983	3.8983	7.0000e-005	7.0000e-005	3.9214
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2007	1.7920	1.2937	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	1,986.2518	1,986.2518	0.0381	0.0364	1,998.0551

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.09011e+006	2,278.0354	0.0538	0.0111	2,282.6977
Enclosed Parking with Elevator	3.20659e+006	1,785.9484	0.0422	8.7300e-003	1,789.6035
General Office Building	1.57388e+007	8,765.8923	0.2070	0.0428	8,783.8325
Health Club	45154.8	25.1495	5.9000e-004	1.2000e-004	25.2010
High Turnover (Sit Down Restaurant)	1.83759e+006	1,023.4683	0.0242	5.0000e-003	1,025.5629
Hotel	1.19412e+006	665.0763	0.0157	3.2500e-003	666.4374
Strip Mall	601331	334.9180	7.9100e-003	1.6400e-003	335.6034
Unenclosed Parking with Elevator	3.24368e+006	1,806.6050	0.0427	8.8300e-003	1,810.3024
Total		16,685.0931	0.3941	0.0815	16,719.2408

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.09011e+006	2,278.0354	0.0538	0.0111	2,282.6977
Enclosed Parking with Elevator	3.20659e+006	1,785.9484	0.0422	8.7300e-003	1,789.6035
General Office Building	1.57388e+007	8,765.8923	0.2070	0.0428	8,783.8325
Health Club	45154.8	25.1495	5.9000e-004	1.2000e-004	25.2010
High Turnover (Sit Down Restaurant)	1.83759e+006	1,023.4683	0.0242	5.0000e-003	1,025.5629
Hotel	1.19412e+006	665.0763	0.0157	3.2500e-003	666.4374
Strip Mall	601331	334.9180	7.9100e-003	1.6400e-003	335.6034
Unenclosed Parking with Elevator	3.24368e+006	1,806.6050	0.0427	8.8300e-003	1,810.3024
Total		16,685.0931	0.3941	0.0815	16,719.2408

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	11.0580	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886
Unmitigated	11.0580	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.0751					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.6647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3182	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886
Total	11.0580	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.0751					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.6647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3182	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886
Total	11.0580	0.1204	10.4587	5.6000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.1728	17.1728	0.0166	0.0000	17.5886

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,863.8233	7.9656	0.2002	3,122.6069
Unmitigated	3,389.4272	9.9525	0.2493	3,712.5172

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	65.7404 / 41.445	754.0742	2.1595	0.0542	824.2017
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	215.344 / 131.985	2,446.7381	7.0732	0.1773	2,676.4050
Health Club	0.240713 / 0.147534	2.7350	7.9100e-003	2.0000e-004	2.9917
High Turnover (Sit Down Restaurant)	12.6361 / 0.80656	100.6393	0.4140	0.0102	114.0280
Hotel	5.78362 / 0.642625	47.7553	0.1895	4.6700e-003	53.8869
Strip Mall	3.29919 / 2.02208	37.4854	0.1084	2.7200e-003	41.0040
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		3,389.4272	9.9525	0.2493	3,712.5172

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	52.5923 / 38.9169	638.9066	1.7284	0.0435	695.0816
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	172.275 / 123.934	2,070.9121	5.6612	0.1424	2,254.8780
Health Club	0.19257 / 0.138534	2.3149	6.3300e-003	1.6000e-004	2.5205
High Turnover (Sit Down Restaurant)	10.1089 / 0.75736	81.2051	0.3312	8.1600e-003	91.9175
Hotel	4.6269 / 0.603425	38.7570	0.1517	3.7400e-003	43.6634
Strip Mall	2.63935 / 1.89874	31.7275	0.0867	2.1800e-003	34.5460
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2,863.8233	7.9656	0.2002	3,122.6069

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	111.1322	6.5677	0.0000	275.3253
Unmitigated	463.0508	27.3655	0.0000	1,147.1888

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	464.14	94.2162	5.5680	0.0000	233.4167
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.8	228.7302	13.5176	0.0000	566.6694
Health Club	23.2	4.7094	0.2783	0.0000	11.6673
High Turnover (Sit Down Restaurant)	495.4	100.5617	5.9430	0.0000	249.1374
Hotel	124.83	25.3394	1.4975	0.0000	62.7772
Strip Mall	46.77	9.4939	0.5611	0.0000	23.5207
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		463.0508	27.3655	0.0000	1,147.1888

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	111.394	22.6119	1.3363	0.0000	56.0200
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	270.432	54.8953	3.2442	0.0000	136.0007
Health Club	5.568	1.1303	0.0668	0.0000	2.8002
High Turnover (Sit Down Restaurant)	118.896	24.1348	1.4263	0.0000	59.7930
Hotel	29.9592	6.0815	0.3594	0.0000	15.0665
Strip Mall	11.2248	2.2785	0.1347	0.0000	5.6450
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		111.1322	6.5677	0.0000	275.3253