

**442 West Ocean Boulevard
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	144.00	Space	0.54	57,600.00	0
Apartments Mid Rise	95.00	Dwelling Unit	0.54	95,000.00	272

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	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 - user-defined
- Construction Phase - user-defined
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - user-defined
- Off-road Equipment - user-defined
- Off-road Equipment -
- Off-road Equipment - user-defined
- Demolition -

Grading - user-defined

Architectural Coating -

Woodstoves - user-defined

Construction Off-road Equipment Mitigation - user-defined

Mobile Land Use Mitigation -

Area Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	200.00	390.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	4.00	44.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	21.00
tblConstructionPhase	PhaseEndDate	7/28/2017	7/30/2017
tblConstructionPhase	PhaseStartDate	5/27/2017	5/29/2017
tblConstructionPhase	PhaseStartDate	10/31/2015	11/2/2015
tblConstructionPhase	PhaseStartDate	4/29/2017	5/1/2017
tblConstructionPhase	PhaseStartDate	8/1/2015	8/3/2015
tblFireplaces	NumberNoFireplace	9.50	0.00
tblFireplaces	NumberWood	4.75	0.00
tblGrading	AcresOfGrading	33.00	0.54
tblGrading	AcresOfGrading	7.88	0.54
tblGrading	MaterialExported	0.00	3,300.00
tblLandUse	LotAcreage	1.30	0.54
tblLandUse	LotAcreage	2.50	0.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2017

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					
2015	0.2386	2.1694	1.4999	2.3700e-003	0.2040	0.1111	0.3151	0.0937	0.1040	0.1977	0.0000	212.8995	212.8995	0.0443	0.0000	213.8298
2016	0.5060	2.9975	3.0367	5.1300e-003	0.1490	0.1831	0.3321	0.0399	0.1764	0.2163	0.0000	424.0668	424.0668	0.0610	0.0000	425.3481
2017	1.2085	1.0792	1.1071	1.9500e-003	0.0546	0.0648	0.1195	0.0146	0.0623	0.0769	0.0000	159.4723	159.4723	0.0234	0.0000	159.9635
Total	1.9531	6.2460	5.6437	9.4500e-003	0.4076	0.3590	0.7666	0.1482	0.3427	0.4909	0.0000	796.4385	796.4385	0.1287	0.0000	799.1413

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					
2015	0.2386	2.1694	1.4999	2.3700e-003	0.0665	0.1111	0.1776	0.0247	0.1040	0.1287	0.0000	212.8993	212.8993	0.0443	0.0000	213.8296
2016	0.5060	2.9975	3.0367	5.1300e-003	0.1490	0.1831	0.3321	0.0399	0.1764	0.2163	0.0000	424.0665	424.0665	0.0610	0.0000	425.3478

2017	1.2085	1.0792	1.1071	1.9500e-003	0.0546	0.0648	0.1195	0.0146	0.0623	0.0769	0.0000	159.4721	159.4721	0.0234	0.0000	159.9634
Total	1.9531	6.2460	5.6437	9.4500e-003	0.2701	0.3590	0.6291	0.0792	0.3427	0.4219	0.0000	796.4379	796.4379	0.1287	0.0000	799.1408

	ROG	NOx	CO	SO2	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	33.74	0.00	17.94	46.57	0.00	14.06	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7203	0.0163	1.2826	1.0000e-003		0.0542	0.0542		0.0542	0.0542	6.3577	20.9950	27.3527	0.0317	3.6000e-004	28.1288
Energy	5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	254.5489	254.5489	0.0104	2.8600e-003	255.6543
Mobile	0.4115	1.3115	4.9447	0.0122	0.8117	0.0182	0.8299	0.2174	0.0167	0.2341	0.0000	946.0434	946.0434	0.0386	0.0000	946.8537
Waste						0.0000	0.0000		0.0000	0.0000	8.8707	0.0000	8.8707	0.5242	0.0000	19.8798
Water						0.0000	0.0000		0.0000	0.0000	1.9637	35.4699	37.4336	0.2033	5.1000e-003	43.2842
Total	1.1369	1.3712	6.2458	0.0135	0.8117	0.0759	0.8876	0.2174	0.0744	0.2918	17.1921	1,257.0571	1,274.2493	0.8082	8.3200e-003	1,293.8008

Mitigated Operational

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

Area	0.6863	0.0116	0.9914	5.0000e-005		5.3800e-003	5.3800e-003		5.3800e-003	5.3800e-003	0.0000	1.6039	1.6039	1.6200e-003	0.0000	1.6378
Energy	5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	254.5489	254.5489	0.0104	2.8600e-003	255.6543
Mobile	0.3845	1.1058	4.2832	0.0101	0.6652	0.0150	0.6802	0.1782	0.0138	0.1920	0.0000	779.4121	779.4121	0.0322	0.0000	780.0873
Waste						0.0000	0.0000		0.0000	0.0000	4.4354	0.0000	4.4354	0.2621	0.0000	9.9399
Water						0.0000	0.0000		0.0000	0.0000	1.9637	35.4699	37.4336	0.2033	5.0900e-003	43.2810
Total	1.0759	1.1607	5.2932	0.0104	0.6652	0.0239	0.6891	0.1782	0.0227	0.2009	6.3990	1,071.0348	1,077.4338	0.5095	7.9500e-003	1,090.6004

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.37	15.35	15.25	23.00	18.05	68.46	22.36	18.05	69.45	31.16	62.78	14.80	15.45	36.96	4.45	15.71

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	7/1/2015	7/31/2015	5	23	
2	Site Preparation	Site Preparation	8/3/2015	8/31/2015	5	21	
3	Grading	Grading	9/1/2015	10/30/2015	5	44	
4	Building Construction	Building Construction	11/2/2015	4/28/2017	5	390	
5	Paving	Paving	5/1/2017	5/26/2017	5	20	
6	Architectural Coating	Architectural Coating	5/29/2017	7/30/2017	5	45	

Acres of Grading (Site Preparation Phase): 0.54

Acres of Grading (Grading Phase): 0.54

Acres of Paving: 0

Residential Indoor: 192,375; Residential Outdoor: 64,125; Non-Residential Indoor: 86,400; Non-Residential Outdoor: 28,800 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Rubber Tired Dozers	1	6.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	6.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Bore/Drill Rigs	1	6.00	205	0.50
Grading	Cranes	1	6.00	226	0.29
Grading	Crawler Tractors	1	6.00	208	0.43
Grading	Excavators	1	6.00	162	0.38
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Rubber Tired Loaders	1	6.00	199	0.36
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	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	125	0.42
Paving	Paving Equipment	1	8.00	130	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
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Demolition	4	10.00	0.00	178.00	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	8	20.00	0.00	413.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	93.00	20.00	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	19.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2015

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					0.0193	0.0000	0.0193	2.9200e-003	0.0000	2.9200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0233	0.2264	0.1693	1.8000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	17.0696	17.0696	4.2100e-003	0.0000	17.1580
Total	0.0233	0.2264	0.1693	1.8000e-004	0.0193	0.0138	0.0330	2.9200e-003	0.0129	0.0159	0.0000	17.0696	17.0696	4.2100e-003	0.0000	17.1580

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	1.8600e-003	0.0298	0.0215	7.0000e-005	1.5200e-003	4.7000e-004	1.9900e-003	4.2000e-004	4.3000e-004	8.5000e-004	0.0000	6.1390	6.1390	5.0000e-005	0.0000	6.1400
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	8.1000e-004	8.4500e-003	2.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.2721	1.2721	8.0000e-005	0.0000	1.2737
Total	2.4200e-003	0.0306	0.0299	9.0000e-005	2.7800e-003	4.8000e-004	3.2600e-003	7.5000e-004	4.4000e-004	1.2000e-003	0.0000	7.4111	7.4111	1.3000e-004	0.0000	7.4138

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.3800e-003	0.0000	3.3800e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0233	0.2264	0.1693	1.8000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	17.0696	17.0696	4.2100e-003	0.0000	17.1580
Total	0.0233	0.2264	0.1693	1.8000e-004	3.3800e-003	0.0138	0.0172	5.1000e-004	0.0129	0.0135	0.0000	17.0696	17.0696	4.2100e-003	0.0000	17.1580

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	1.8600e-003	0.0298	0.0215	7.0000e-005	1.5200e-003	4.7000e-004	1.9900e-003	4.2000e-004	4.3000e-004	8.5000e-004	0.0000	6.1390	6.1390	5.0000e-005	0.0000	6.1400

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	8.1000e-004	8.4500e-003	2.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.2721	1.2721	8.0000e-005	0.0000	1.2737
Total	2.4200e-003	0.0306	0.0299	9.0000e-005	2.7800e-003	4.8000e-004	3.2600e-003	7.5000e-004	4.4000e-004	1.2000e-003	0.0000	7.4111	7.4111	1.3000e-004	0.0000	7.4138

3.3 Site Preparation - 2015

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					0.0477	0.0000	0.0477	0.0261	0.0000	0.0261	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.2259	0.1448	1.4000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	13.7058	13.7058	4.0900e-003	0.0000	13.7917
Total	0.0212	0.2259	0.1448	1.4000e-004	0.0477	0.0122	0.0599	0.0261	0.0112	0.0373	0.0000	13.7058	13.7058	4.0900e-003	0.0000	13.7917

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	4.1000e-004	5.9000e-004	6.1700e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.9292	0.9292	6.0000e-005	0.0000	0.9304
Total	4.1000e-004	5.9000e-004	6.1700e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.9292	0.9292	6.0000e-005	0.0000	0.9304

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					8.3700e-003	0.0000	8.3700e-003	4.5800e-003	0.0000	4.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.2259	0.1448	1.4000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	13.7058	13.7058	4.0900e-003	0.0000	13.7917
Total	0.0212	0.2259	0.1448	1.4000e-004	8.3700e-003	0.0122	0.0206	4.5800e-003	0.0112	0.0158	0.0000	13.7058	13.7058	4.0900e-003	0.0000	13.7917

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	4.1000e-004	5.9000e-004	6.1700e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.9292	0.9292	6.0000e-005	0.0000	0.9304
Total	4.1000e-004	5.9000e-004	6.1700e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.9292	0.9292	6.0000e-005	0.0000	0.9304

3.4 Grading - 2015

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					0.0998	0.0000	0.0998	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0911	1.0794	0.5306	8.6000e-004		0.0499	0.0499		0.0459	0.0459	0.0000	82.1581	82.1581	0.0245	0.0000	82.6732
Total	0.0911	1.0794	0.5306	8.6000e-004	0.0998	0.0499	0.1497	0.0547	0.0459	0.1006	0.0000	82.1581	82.1581	0.0245	0.0000	82.6732

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3100e-003	0.0690	0.0498	1.5000e-004	3.5300e-003	1.0800e-003	4.6200e-003	9.7000e-004	9.9000e-004	1.9600e-003	0.0000	14.2438	14.2438	1.2000e-004	0.0000	14.2462
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	2.1300e-003	3.1000e-003	0.0323	6.0000e-005	4.8200e-003	5.0000e-005	4.8700e-003	1.2800e-003	5.0000e-005	1.3300e-003	0.0000	4.8673	4.8673	2.9000e-004	0.0000	4.8734
Total	6.4400e-003	0.0721	0.0821	2.1000e-004	8.3500e-003	1.1300e-003	9.4900e-003	2.2500e-003	1.0400e-003	3.2900e-003	0.0000	19.1111	19.1111	4.1000e-004	0.0000	19.1196

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0175	0.0000	0.0175	9.6000e-003	0.0000	9.6000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0911	1.0794	0.5306	8.6000e-004		0.0499	0.0499		0.0459	0.0459	0.0000	82.1581	82.1581	0.0245	0.0000	82.6731

Total	0.0911	1.0794	0.5306	8.6000e-004	0.0175	0.0499	0.0674	9.6000e-003	0.0459	0.0555	0.0000	82.1581	82.1581	0.0245	0.0000	82.6731
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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	4.3100e-003	0.0690	0.0498	1.5000e-004	3.5300e-003	1.0800e-003	4.6200e-003	9.7000e-004	9.9000e-004	1.9600e-003	0.0000	14.2438	14.2438	1.2000e-004	0.0000	14.2462
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	2.1300e-003	3.1000e-003	0.0323	6.0000e-005	4.8200e-003	5.0000e-005	4.8700e-003	1.2800e-003	5.0000e-005	1.3300e-003	0.0000	4.8673	4.8673	2.9000e-004	0.0000	4.8734
Total	6.4400e-003	0.0721	0.0821	2.1000e-004	8.3500e-003	1.1300e-003	9.4900e-003	2.2500e-003	1.0400e-003	3.2900e-003	0.0000	19.1111	19.1111	4.1000e-004	0.0000	19.1196

3.5 Building Construction - 2015

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	0.0792	0.4744	0.3301	4.8000e-004		0.0327	0.0327		0.0316	0.0316	0.0000	41.0263	41.0263	9.4600e-003	0.0000	41.2250
Total	0.0792	0.4744	0.3301	4.8000e-004		0.0327	0.0327		0.0316	0.0316	0.0000	41.0263	41.0263	9.4600e-003	0.0000	41.2250

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5000e-003	0.0455	0.0565	1.0000e-004	2.7000e-003	7.3000e-004	3.4300e-003	7.7000e-004	6.7000e-004	1.4400e-003	0.0000	8.8552	8.8552	7.0000e-005	0.0000	8.8567
Worker	9.9200e-003	0.0144	0.1504	2.9000e-004	0.0224	2.3000e-004	0.0227	5.9500e-003	2.1000e-004	6.1600e-003	0.0000	22.6330	22.6330	1.3500e-003	0.0000	22.6613
Total	0.0144	0.0600	0.2069	3.9000e-004	0.0251	9.6000e-004	0.0261	6.7200e-003	8.8000e-004	7.6000e-003	0.0000	31.4882	31.4882	1.4200e-003	0.0000	31.5180

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	0.0792	0.4744	0.3301	4.8000e-004		0.0327	0.0327		0.0316	0.0316	0.0000	41.0262	41.0262	9.4600e-003	0.0000	41.2250
Total	0.0792	0.4744	0.3301	4.8000e-004		0.0327	0.0327		0.0316	0.0316	0.0000	41.0262	41.0262	9.4600e-003	0.0000	41.2250

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5000e-003	0.0455	0.0565	1.0000e-004	2.7000e-003	7.3000e-004	3.4300e-003	7.7000e-004	6.7000e-004	1.4400e-003	0.0000	8.8552	8.8552	7.0000e-005	0.0000	8.8567
Worker	9.9200e-003	0.0144	0.1504	2.9000e-004	0.0224	2.3000e-004	0.0227	5.9500e-003	2.1000e-004	6.1600e-003	0.0000	22.6330	22.6330	1.3500e-003	0.0000	22.6613
Total	0.0144	0.0600	0.2069	3.9000e-004	0.0251	9.6000e-004	0.0261	6.7200e-003	8.8000e-004	7.6000e-003	0.0000	31.4882	31.4882	1.4200e-003	0.0000	31.5180

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4295	2.6812	1.9193	2.8600e-003		0.1782	0.1782		0.1719	0.1719	0.0000	242.3327	242.3327	0.0533	0.0000	243.4513
Total	0.4295	2.6812	1.9193	2.8600e-003		0.1782	0.1782		0.1719	0.1719	0.0000	242.3327	242.3327	0.0533	0.0000	243.4513

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	0.0235	0.2388	0.3102	5.7000e-004	0.0160	3.5900e-003	0.0196	4.5600e-003	3.3000e-003	7.8600e-003	0.0000	51.9610	51.9610	3.9000e-004	0.0000	51.9691
Worker	0.0530	0.0774	0.8073	1.6900e-003	0.1330	1.2800e-003	0.1343	0.0353	1.1800e-003	0.0365	0.0000	129.7731	129.7731	7.3700e-003	0.0000	129.9278
Total	0.0765	0.3162	1.1174	2.2600e-003	0.1490	4.8700e-003	0.1539	0.0399	4.4800e-003	0.0444	0.0000	181.7340	181.7340	7.7600e-003	0.0000	181.8969

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	0.4295	2.6812	1.9193	2.8600e-003		0.1782	0.1782		0.1719	0.1719	0.0000	242.3324	242.3324	0.0533	0.0000	243.4510
Total	0.4295	2.6812	1.9193	2.8600e-003		0.1782	0.1782		0.1719	0.1719	0.0000	242.3324	242.3324	0.0533	0.0000	243.4510

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	0.0235	0.2388	0.3102	5.7000e-004	0.0160	3.5900e-003	0.0196	4.5600e-003	3.3000e-003	7.8600e-003	0.0000	51.9610	51.9610	3.9000e-004	0.0000	51.9691
Worker	0.0530	0.0774	0.8073	1.6900e-003	0.1330	1.2800e-003	0.1343	0.0353	1.1800e-003	0.0365	0.0000	129.7731	129.7731	7.3700e-003	0.0000	129.9278
Total	0.0765	0.3162	1.1174	2.2600e-003	0.1490	4.8700e-003	0.1539	0.0399	4.4800e-003	0.0444	0.0000	181.7340	181.7340	7.7600e-003	0.0000	181.8969

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1256	0.8121	0.6082	9.3000e-004		0.0521	0.0521		0.0503	0.0503	0.0000	78.4326	78.4326	0.0165	0.0000	78.7782
Total	0.1256	0.8121	0.6082	9.3000e-004		0.0521	0.0521		0.0503	0.0503	0.0000	78.4326	78.4326	0.0165	0.0000	78.7782

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	6.9700e-003	0.0709	0.0956	1.9000e-004	5.2200e-003	1.0400e-003	6.2600e-003	1.4900e-003	9.6000e-004	2.4400e-003	0.0000	16.6518	16.6518	1.2000e-004	0.0000	16.6544
Worker	0.0155	0.0228	0.2375	5.5000e-004	0.0433	4.0000e-004	0.0437	0.0115	3.7000e-004	0.0119	0.0000	40.6795	40.6795	2.2200e-003	0.0000	40.7260
Total	0.0224	0.0937	0.3331	7.4000e-004	0.0485	1.4400e-003	0.0500	0.0130	1.3300e-003	0.0143	0.0000	57.3312	57.3312	2.3400e-003	0.0000	57.3804

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	0.1256	0.8121	0.6082	9.3000e-004		0.0521	0.0521		0.0503	0.0503	0.0000	78.4325	78.4325	0.0165	0.0000	78.7781

Total	0.1256	0.8121	0.6082	9.3000e-004		0.0521	0.0521		0.0503	0.0503	0.0000	78.4325	78.4325	0.0165	0.0000	78.7781
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9700e-003	0.0709	0.0956	1.9000e-004	5.2200e-003	1.0400e-003	6.2600e-003	1.4900e-003	9.6000e-004	2.4400e-003	0.0000	16.6518	16.6518	1.2000e-004	0.0000	16.6544
Worker	0.0155	0.0228	0.2375	5.5000e-004	0.0433	4.0000e-004	0.0437	0.0115	3.7000e-004	0.0119	0.0000	40.6795	40.6795	2.2200e-003	0.0000	40.7260
Total	0.0224	0.0937	0.3331	7.4000e-004	0.0485	1.4400e-003	0.0500	0.0130	1.3300e-003	0.0143	0.0000	57.3312	57.3312	2.3400e-003	0.0000	57.3804

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0119	0.1210	0.0903	1.3000e-004		7.3300e-003	7.3300e-003		6.7500e-003	6.7500e-003	0.0000	12.2257	12.2257	3.6800e-003	0.0000	12.3030
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0119	0.1210	0.0903	1.3000e-004		7.3300e-003	7.3300e-003		6.7500e-003	6.7500e-003	0.0000	12.2257	12.2257	3.6800e-003	0.0000	12.3030

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	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
Total	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395

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	0.0119	0.1210	0.0903	1.3000e-004		7.3300e-003	7.3300e-003		6.7500e-003	6.7500e-003	0.0000	12.2257	12.2257	3.6800e-003	0.0000	12.3029
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0119	0.1210	0.0903	1.3000e-004		7.3300e-003	7.3300e-003		6.7500e-003	6.7500e-003	0.0000	12.2257	12.2257	3.6800e-003	0.0000	12.3029

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	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
Total	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4800e-003	0.0492	0.0420	7.0000e-005		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	5.7448	5.7448	6.1000e-004	0.0000	5.7576
Total	1.0464	0.0492	0.0420	7.0000e-005		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	5.7448	5.7448	6.1000e-004	0.0000	5.7576

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	1.6700e-003	2.4700e-003	0.0257	6.0000e-005	4.6800e-003	4.0000e-005	4.7300e-003	1.2400e-003	4.0000e-005	1.2800e-003	0.0000	4.3999	4.3999	2.4000e-004	0.0000	4.4049
Total	1.6700e-003	2.4700e-003	0.0257	6.0000e-005	4.6800e-003	4.0000e-005	4.7300e-003	1.2400e-003	4.0000e-005	1.2800e-003	0.0000	4.3999	4.3999	2.4000e-004	0.0000	4.4049

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	1.0390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4800e-003	0.0492	0.0420	7.0000e-005		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	5.7448	5.7448	6.1000e-004	0.0000	5.7576
Total	1.0464	0.0492	0.0420	7.0000e-005		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	5.7448	5.7448	6.1000e-004	0.0000	5.7576

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	1.6700e-003	2.4700e-003	0.0257	6.0000e-005	4.6800e-003	4.0000e-005	4.7300e-003	1.2400e-003	4.0000e-005	1.2800e-003	0.0000	4.3999	4.3999	2.4000e-004	0.0000	4.4049
Total	1.6700e-003	2.4700e-003	0.0257	6.0000e-005	4.6800e-003	4.0000e-005	4.7300e-003	1.2400e-003	4.0000e-005	1.2800e-003	0.0000	4.3999	4.3999	2.4000e-004	0.0000	4.4049

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility
 Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3845	1.1058	4.2832	0.0101	0.6652	0.0150	0.6802	0.1782	0.0138	0.1920	0.0000	779.4121	779.4121	0.0322	0.0000	780.0873
Unmitigated	0.4115	1.3115	4.9447	0.0122	0.8117	0.0182	0.8299	0.2174	0.0167	0.2341	0.0000	946.0434	946.0434	0.0386	0.0000	946.8537

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	626.05	680.20	576.65	2,141,627	1,755,008
Enclosed Parking Structure	0.00	0.00	0.00		
Total	626.05	680.20	576.65	2,141,627	1,755,008

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 Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

5.0 Energy Detail

4.4 Fleet Mix

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	204.2563	204.2563	9.3900e-003	1.9400e-003	205.0556
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.0000	204.2563	204.2563	9.3900e-003	1.9400e-003	205.0556
Natural Gas Mitigated	5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	50.2926	50.2926	9.6000e-004	9.2000e-004	50.5987	
Natural Gas Unmitigated	5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	50.2926	50.2926	9.6000e-004	9.2000e-004	50.5987	

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	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
Apartments Mid Rise	942448	5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	50.2926	50.2926	9.6000e-004	9.2000e-004	50.5987
Total		5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	50.2926	50.2926	9.6000e-004	9.2000e-004	50.5987

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					
Enclosed Parking Structure	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
Apartments Mid Rise	942448	5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	50.2926	50.2926	9.6000e-004	9.2000e-004	50.5987
Total		5.0800e-003	0.0434	0.0185	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	50.2926	50.2926	9.6000e-004	9.2000e-004	50.5987

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	336486	96.2912	4.4300e-003	9.2000e-004	96.6681
Enclosed Parking Structure	377280	107.9650	4.9600e-003	1.0300e-003	108.3876
Total		204.2563	9.3900e-003	1.9500e-003	205.0556

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	336486	96.2912	4.4300e-003	9.2000e-004	96.6681

Enclosed Parking Structure	377280	107.9650	4.9600e-003	1.0300e-003	108.3876
Total		204.2563	9.3900e-003	1.9500e-003	205.0556

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6863	0.0116	0.9914	5.0000e-005		5.3800e-003	5.3800e-003		5.3800e-003	5.3800e-003	0.0000	1.6039	1.6039	1.6200e-003	0.0000	1.6378
Unmitigated	0.7203	0.0163	1.2826	1.0000e-003		0.0542	0.0542		0.0542	0.0542	6.3577	20.9950	27.3527	0.0317	3.6000e-004	28.1288

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	0.1039					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0340	4.7500e-003	0.2912	9.5000e-004		0.0488	0.0488		0.0488	0.0488	6.3577	19.3911	25.7488	0.0301	3.6000e-004	26.4910

Landscaping	0.0310	0.0116	0.9914	5.0000e-005		5.3800e-003	5.3800e-003		5.3800e-003	5.3800e-003	0.0000	1.6039	1.6039	1.6200e-003	0.0000	1.6378
Total	0.7203	0.0163	1.2826	1.0000e-003		0.0542	0.0542		0.0542	0.0542	6.3577	20.9950	27.3527	0.0317	3.6000e-004	28.1288

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					
Architectoral Coating	0.1039						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5514						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
Landscaping	0.0310	0.0116	0.9914	5.0000e-005		5.3800e-003	5.3800e-003		5.3800e-003	5.3800e-003	0.0000	1.6039	1.6039	1.6200e-003	0.0000	1.6378
Total	0.6863	0.0116	0.9914	5.0000e-005		5.3800e-003	5.3800e-003		5.3800e-003	5.3800e-003	0.0000	1.6039	1.6039	1.6200e-003	0.0000	1.6378

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	37.4336	0.2033	5.0900e-003	43.2810
Unmitigated	37.4336	0.2033	5.1000e-003	43.2842

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.18963 / 3.90216	37.4336	0.2033	5.1000e-003	43.2842
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		37.4336	0.2033	5.1000e-003	43.2842

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.18963 / 3.90216	37.4336	0.2033	5.0900e-003	43.2810
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		37.4336	0.2033	5.0900e-003	43.2810

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.4354	0.2621	0.0000	9.9399
Unmitigated	8.8707	0.5242	0.0000	19.8798

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	43.7	8.8707	0.5242	0.0000	19.8798
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		8.8707	0.5242	0.0000	19.8798

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	21.85	4.4354	0.2621	0.0000	9.9399

Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		4.4354	0.2621	0.0000	9.9399

9.0 Operational Offroad

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

442 West Ocean Boulevard
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	144.00	Space	0.54	57,600.00	0
Apartments Mid Rise	95.00	Dwelling Unit	0.54	95,000.00	272

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2017		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	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 - user-defined
- Construction Phase - user-defined
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - user-defined
- Off-road Equipment - user-defined
- Off-road Equipment -
- Off-road Equipment - user-defined
- Demolition -

Grading - user-defined

Architectural Coating -

Woodstoves - user-defined

Construction Off-road Equipment Mitigation - user-defined

Mobile Land Use Mitigation -

Area Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	200.00	390.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	4.00	44.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	21.00
tblConstructionPhase	PhaseEndDate	7/28/2017	7/30/2017
tblConstructionPhase	PhaseStartDate	5/27/2017	5/29/2017
tblConstructionPhase	PhaseStartDate	10/31/2015	11/2/2015
tblConstructionPhase	PhaseStartDate	4/29/2017	5/1/2017
tblConstructionPhase	PhaseStartDate	8/1/2015	8/3/2015
tblFireplaces	NumberNoFireplace	9.50	0.00
tblFireplaces	NumberWood	4.75	0.00
tblGrading	AcresOfGrading	33.00	0.54
tblGrading	AcresOfGrading	7.88	0.54
tblGrading	MaterialExported	0.00	3,300.00
tblLandUse	LotAcreage	1.30	0.54
tblLandUse	LotAcreage	2.50	0.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	4.4293	52.1661	27.6778	0.0491	4.9250	2.3188	7.2438	2.5894	2.1333	4.7227	0.0000	5,085.2113	5,085.2113	1.2493	0.0000	5,111.4462
2016	3.8742	22.8174	23.1921	0.0399	1.1643	1.4028	2.5671	0.3112	1.3518	1.6629	0.0000	3,630.3742	3,630.3742	0.5154	0.0000	3,641.1968
2017	46.5845	21.1758	22.0653	0.0399	1.1643	1.2595	2.4238	0.3112	1.2134	1.5246	0.0000	3,567.9095	3,567.9095	0.4875	0.0000	3,578.1465
Total	54.8881	96.1592	72.9352	0.1289	7.2536	4.9811	12.2347	3.2118	4.6984	7.9102	0.0000	12,283.4951	12,283.4951	2.2521	0.0000	12,330.7895

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	4.4293	52.1661	27.6778	0.0491	1.1834	2.3188	3.5022	0.5402	2.1333	2.6735	0.0000	5,085.2113	5,085.2113	1.2493	0.0000	5,111.4462
2016	3.8742	22.8174	23.1921	0.0399	1.1643	1.4028	2.5671	0.3112	1.3518	1.6629	0.0000	3,630.3742	3,630.3742	0.5154	0.0000	3,641.1968

2017	46.5845	21.1758	22.0653	0.0399	1.1643	1.2595	2.4238	0.3112	1.2134	1.5246	0.0000	3,567.9095	3,567.9095	0.4875	0.0000	3,578.1465
Total	54.8881	96.1592	72.9352	0.1289	3.5120	4.9811	8.4930	1.1626	4.6984	5.8610	0.0000	12,283.4951	12,283.4951	2.2521	0.0000	12,330.7894

	ROG	NOx	CO	SO2	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	51.58	0.00	30.58	63.80	0.00	25.91	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5594	0.4723	31.2248	0.0764		3.9498	3.9498		3.9487	3.9487	560.6557	1,724.1440	2,284.7996	2.6680	0.0314	2,350.5457
Energy	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
Mobile	2.4651	7.2787	29.4364	0.0753	4.9359	0.1082	5.0441	1.3199	0.0996	1.4194		6,428.3775	6,428.3775	0.2539		6,433.7086
Total	9.0524	7.9889	60.7624	0.1532	4.9359	4.0772	9.0131	1.3199	4.0675	5.3874	560.6557	8,456.2922	9,016.9478	2.9277	0.0369	9,089.8737

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8387	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430	0.0000	14.1440	14.1440	0.0143	0.0000	14.4433
Energy	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

Mobile	2.3011	6.1463	25.2291	0.0620	4.0448	0.0896	4.1345	1.0816	0.0825	1.1641		5,295.7062	5,295.7062	0.2115		5,300.1483
Total	6.1676	6.4767	33.2619	0.0640	4.0448	0.1519	4.1968	1.0816	0.1448	1.2264	0.0000	5,613.6209	5,613.6209	0.2316	5.5700e-003	5,620.2109

	ROG	NOx	CO	SO2	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	31.87	18.93	45.26	58.25	18.05	96.27	53.44	18.05	96.44	77.24	100.00	33.62	37.74	92.09	84.91	38.17

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	7/1/2015	7/31/2015	5	23	
2	Site Preparation	Site Preparation	8/3/2015	8/31/2015	5	21	
3	Grading	Grading	9/1/2015	10/30/2015	5	44	
4	Building Construction	Building Construction	11/2/2015	4/28/2017	5	390	
5	Paving	Paving	5/1/2017	5/26/2017	5	20	
6	Architectural Coating	Architectural Coating	5/29/2017	7/30/2017	5	45	

Acres of Grading (Site Preparation Phase): 0.54

Acres of Grading (Grading Phase): 0.54

Acres of Paving: 0

Residential Indoor: 192,375; Residential Outdoor: 64,125; Non-Residential Indoor: 86,400; Non-Residential Outdoor: 28,800 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Rubber Tired Dozers	1	6.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	174	0.41

Site Preparation	Rubber Tired Dozers	1	6.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Bore/Drill Rigs	1	6.00	205	0.50
Grading	Cranes	1	6.00	226	0.29
Grading	Crawler Tractors	1	6.00	208	0.43
Grading	Excavators	1	6.00	162	0.38
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Rubber Tired Loaders	1	6.00	199	0.36
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	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	125	0.42
Paving	Paving Equipment	1	8.00	130	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	4	10.00	0.00	178.00	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	8	20.00	0.00	413.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	93.00	20.00	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	19.00	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 Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6747	0.0000	1.6747	0.2536	0.0000	0.2536			0.0000			0.0000
Off-Road	2.0296	19.6842	14.7233	0.0160		1.1974	1.1974		1.1248	1.1248		1,636.1792	1,636.1792	0.4035		1,644.6522
Total	2.0296	19.6842	14.7233	0.0160	1.6747	1.1974	2.8721	0.2536	1.1248	1.3784		1,636.1792	1,636.1792	0.4035		1,644.6522

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1549	2.4556	1.6740	5.7900e-003	0.1348	0.0405	0.1752	0.0369	0.0372	0.0741		589.0188	589.0188	4.7900e-003		589.1193
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0493	0.0620	0.7646	1.4500e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		127.1422	127.1422	7.2600e-003		127.2945
Total	0.2042	2.5176	2.4386	7.2400e-003	0.2465	0.0416	0.2881	0.0665	0.0383	0.1048		716.1609	716.1609	0.0121		716.4139

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2939	0.0000	0.2939	0.0445	0.0000	0.0445			0.0000			0.0000
Off-Road	2.0296	19.6842	14.7233	0.0160		1.1974	1.1974		1.1248	1.1248	0.0000	1,636.1792	1,636.1792	0.4035		1,644.6522
Total	2.0296	19.6842	14.7233	0.0160	0.2939	1.1974	1.4913	0.0445	1.1248	1.1693	0.0000	1,636.1792	1,636.1792	0.4035		1,644.6522

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1549	2.4556	1.6740	5.7900e-003	0.1348	0.0405	0.1752	0.0369	0.0372	0.0741		589.0188	589.0188	4.7900e-003		589.1193
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0620	0.7646	1.4500e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		127.1422	127.1422	7.2600e-003		127.2945
Total	0.2042	2.5176	2.4386	7.2400e-003	0.2465	0.0416	0.2881	0.0665	0.0383	0.1048		716.1609	716.1609	0.0121		716.4139

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5438	0.0000	4.5438	2.4856	0.0000	2.4856			0.0000			0.0000
Off-Road	2.0215	21.5152	13.7870	0.0137		1.1632	1.1632		1.0702	1.0702		1,438.8641	1,438.8641	0.4296		1,447.8848
Total	2.0215	21.5152	13.7870	0.0137	4.5438	1.1632	5.7070	2.4856	1.0702	3.5558		1,438.8641	1,438.8641	0.4296		1,447.8848

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0395	0.0496	0.6117	1.1600e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		101.7137	101.7137	5.8000e-003		101.8356
Total	0.0395	0.0496	0.6117	1.1600e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		101.7137	101.7137	5.8000e-003		101.8356

Mitigated Construction On-Site

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

Fugitive Dust					0.7974	0.0000	0.7974	0.4362	0.0000	0.4362			0.0000			0.0000
Off-Road	2.0215	21.5152	13.7870	0.0137		1.1632	1.1632		1.0702	1.0702	0.0000	1,438.8641	1,438.8641	0.4296		1,447.8848
Total	2.0215	21.5152	13.7870	0.0137	0.7974	1.1632	1.9607	0.4362	1.0702	1.5064	0.0000	1,438.8641	1,438.8641	0.4296		1,447.8848

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0395	0.0496	0.6117	1.1600e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		101.7137	101.7137	5.8000e-003		101.8356
Total	0.0395	0.0496	0.6117	1.1600e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		101.7137	101.7137	5.8000e-003		101.8356

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5381	0.0000	4.5381	2.4854	0.0000	2.4854			0.0000			0.0000
Off-Road	4.1428	49.0638	24.1183	0.0392		2.2675	2.2675		2.0861	2.0861		4,116.5387	4,116.5387	1.2290		4,142.3468
Total	4.1428	49.0638	24.1183	0.0392	4.5381	2.2675	6.8055	2.4854	2.0861	4.5714		4,116.5387	4,116.5387	1.2290		4,142.3468

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1879	2.9782	2.0303	7.0200e-003	0.1634	0.0491	0.2125	0.0447	0.0452	0.0899		714.3883	714.3883	5.8100e-003		714.5103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0986	0.1240	1.5292	2.9100e-003	0.2236	2.2300e-003	0.2258	0.0593	2.0500e-003	0.0613		254.2843	254.2843	0.0145		254.5891
Total	0.2865	3.1022	3.5595	9.9300e-003	0.3870	0.0513	0.4383	0.1040	0.0472	0.1512		968.6726	968.6726	0.0203		969.0994

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7964	0.0000	0.7964	0.4362	0.0000	0.4362			0.0000			0.0000
Off-Road	4.1428	49.0638	24.1183	0.0392		2.2675	2.2675		2.0861	2.0861	0.0000	4,116.5387	4,116.5387	1.2290		4,142.3468
Total	4.1428	49.0638	24.1183	0.0392	0.7964	2.2675	3.0639	0.4362	2.0861	2.5223	0.0000	4,116.5387	4,116.5387	1.2290		4,142.3468

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	lb/day										lb/day					
Hauling	0.1879	2.9782	2.0303	7.0200e-003	0.1634	0.0491	0.2125	0.0447	0.0452	0.0899		714.3883	714.3883	5.8100e-003		714.5103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0986	0.1240	1.5292	2.9100e-003	0.2236	2.2300e-003	0.2258	0.0593	2.0500e-003	0.0613		254.2843	254.2843	0.0145		254.5891
Total	0.2865	3.1022	3.5595	9.9300e-003	0.3870	0.0513	0.4383	0.1040	0.0472	0.1512		968.6726	968.6726	0.0203		969.0994

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812
Total	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1915	1.9776	2.2205	4.4000e-003	0.1247	0.0331	0.1578	0.0355	0.0305	0.0659		445.2375	445.2375	3.5700e-003		445.3126
Worker	0.4586	0.5766	7.1109	0.0135	1.0395	0.0104	1.0499	0.2757	9.5200e-003	0.2852		1,182.4220	1,182.4220	0.0675		1,183.8391

Total	0.6501	2.5541	9.3315	0.0179	1.1642	0.0435	1.2077	0.3112	0.0400	0.3511		1,627.6595	1,627.6595	0.0711		1,629.1517
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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	lb/day										lb/day					
Off-Road	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344	0.0000	2,055.6247	2,055.6247	0.4741		2,065.5812
Total	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344	0.0000	2,055.6247	2,055.6247	0.4741		2,065.5812

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1915	1.9776	2.2205	4.4000e-003	0.1247	0.0331	0.1578	0.0355	0.0305	0.0659		445.2375	445.2375	3.5700e-003		445.3126
Worker	0.4586	0.5766	7.1109	0.0135	1.0395	0.0104	1.0499	0.2757	9.5200e-003	0.2852		1,182.4220	1,182.4220	0.0675		1,183.8391
Total	0.6501	2.5541	9.3315	0.0179	1.1642	0.0435	1.2077	0.3112	0.0400	0.3511		1,627.6595	1,627.6595	0.0711		1,629.1517

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
Total	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1685	1.7502	2.0334	4.3900e-003	0.1247	0.0274	0.1521	0.0355	0.0252	0.0607		440.4412	440.4412	3.2300e-003		440.5091
Worker	0.4142	0.5213	6.4514	0.0135	1.0395	9.8300e-003	1.0494	0.2757	9.0400e-003	0.2847		1,142.9898	1,142.9898	0.0622		1,144.2964
Total	0.5827	2.2715	8.4847	0.0179	1.1643	0.0372	1.2014	0.3112	0.0342	0.3454		1,583.4310	1,583.4310	0.0655		1,584.8056

Mitigated Construction On-Site

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

Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
Total	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1685	1.7502	2.0334	4.3900e-003	0.1247	0.0274	0.1521	0.0355	0.0252	0.0607		440.4412	440.4412	3.2300e-003		440.5091
Worker	0.4142	0.5213	6.4514	0.0135	1.0395	9.8300e-003	1.0494	0.2757	9.0400e-003	0.2847		1,142.9898	1,142.9898	0.0622		1,144.2964
Total	0.5827	2.2715	8.4847	0.0179	1.1643	0.0372	1.2014	0.3112	0.0342	0.3454		1,583.4310	1,583.4310	0.0655		1,584.8056

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823		2,034.2860	2,034.2860	0.4268		2,043.2497
Total	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823		2,034.2860	2,034.2860	0.4268		2,043.2497

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1541	1.5955	1.9091	4.3900e-003	0.1248	0.0244	0.1492	0.0355	0.0224	0.0579		433.4079	433.4079	3.1300e-003		433.4736
Worker	0.3722	0.4715	5.8452	0.0135	1.0395	9.4200e-003	1.0489	0.2757	8.6800e-003	0.2844		1,100.2156	1,100.2156	0.0575		1,101.4232
Total	0.5263	2.0670	7.7543	0.0179	1.1643	0.0338	1.1981	0.3112	0.0311	0.3423		1,533.6235	1,533.6235	0.0606		1,534.8968

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268		2,043.2497
Total	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268		2,043.2497

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	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1541	1.5955	1.9091	4.3900e-003	0.1248	0.0244	0.1492	0.0355	0.0224	0.0579	433.4079	433.4079	3.1300e-003		433.4736
Worker	0.3722	0.4715	5.8452	0.0135	1.0395	9.4200e-003	1.0489	0.2757	8.6800e-003	0.2844	1,100.2156	1,100.2156	0.0575		1,101.4232
Total	0.5263	2.0670	7.7543	0.0179	1.1643	0.0338	1.1981	0.3112	0.0311	0.3423	1,533.6235	1,533.6235	0.0606		1,534.8968

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755		1,347.6575	1,347.6575	0.4052		1,356.1677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755		1,347.6575	1,347.6575	0.4052		1,356.1677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0520	0.0659	0.8171	1.8900e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		153.7936	153.7936	8.0400e-003		153.9624

Total	0.0520	0.0659	0.8171	1.8900e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		153.7936	153.7936	8.0400e-003		153.9624
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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	lb/day										lb/day					
Off-Road	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755	0.0000	1,347.6575	1,347.6575	0.4052		1,356.1677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755	0.0000	1,347.6575	1,347.6575	0.4052		1,356.1677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0520	0.0659	0.8171	1.8900e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		153.7936	153.7936	8.0400e-003		153.9624
Total	0.0520	0.0659	0.8171	1.8900e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		153.7936	153.7936	8.0400e-003		153.9624

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.1762					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	46.5085	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0761	0.0963	1.1942	2.7600e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		224.7752	224.7752	0.0118		225.0220
Total	0.0761	0.0963	1.1942	2.7600e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		224.7752	224.7752	0.0118		225.0220

Mitigated Construction On-Site

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

Mitigated	2.3011	6.1463	25.2291	0.0620	4.0448	0.0896	4.1345	1.0816	0.0825	1.1641		5,295.7062	5,295.7062	0.2115		5,300.1483
Unmitigated	2.4651	7.2787	29.4364	0.0753	4.9359	0.1082	5.0441	1.3199	0.0996	1.4194		6,428.3775	6,428.3775	0.2539		6,433.7086

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	626.05	680.20	576.65	2,141,627	1,755,008
Enclosed Parking Structure	0.00	0.00	0.00		
Total	626.05	680.20	576.65	2,141,627	1,755,008

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

NaturalGas Mitigated	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
NaturalGas Unmitigated	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	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
Apartments Mid Rise	2582.05	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
Total		0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.58205	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
Enclosed Parking Structure	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
Total		0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8387	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430	0.0000	14.1440	14.1440	0.0143	0.0000	14.4433
Unmitigated	6.5594	0.4723	31.2248	0.0764		3.9498	3.9498		3.9487	3.9487	560.6557	1,724.1440	2,284.7996	2.6680	0.0314	2,350.5457

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0215					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.7207	0.3799	23.2932	0.0760		3.9068	3.9068		3.9056	3.9056	560.6557	1,710.0000	2,270.6557	2.6537	0.0314	2,336.1024
Landscaping	0.2479	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430		14.1440	14.1440	0.0143		14.4433
Total	6.5594	0.4723	31.2248	0.0764		3.9498	3.9498		3.9487	3.9487	560.6557	1,724.1440	2,284.7996	2.6680	0.0314	2,350.5457

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0215					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	0.2479	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430		14.1440	14.1440	0.0143		14.4433
Total	3.8387	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430	0.0000	14.1440	14.1440	0.0143	0.0000	14.4433

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

442 West Ocean Boulevard
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	144.00	Space	0.54	57,600.00	0
Apartments Mid Rise	95.00	Dwelling Unit	0.54	95,000.00	272

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	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 - user-defined
- Construction Phase - user-defined
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - user-defined
- Off-road Equipment - user-defined
- Off-road Equipment -
- Off-road Equipment - user-defined
- Demolition -

Grading - user-defined

Architectural Coating -

Woodstoves - user-defined

Construction Off-road Equipment Mitigation - user-defined

Mobile Land Use Mitigation -

Area Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	200.00	390.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	4.00	44.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	21.00
tblConstructionPhase	PhaseEndDate	7/28/2017	7/30/2017
tblConstructionPhase	PhaseStartDate	5/27/2017	5/29/2017
tblConstructionPhase	PhaseStartDate	10/31/2015	11/2/2015
tblConstructionPhase	PhaseStartDate	4/29/2017	5/1/2017
tblConstructionPhase	PhaseStartDate	8/1/2015	8/3/2015
tblFireplaces	NumberNoFireplace	9.50	0.00
tblFireplaces	NumberWood	4.75	0.00
tblGrading	AcresOfGrading	33.00	0.54
tblGrading	AcresOfGrading	7.88	0.54
tblGrading	MaterialExported	0.00	3,300.00
tblLandUse	LotAcreage	1.30	0.54
tblLandUse	LotAcreage	2.50	0.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	4.4453	52.2844	27.8862	0.0489	4.9250	2.3190	7.2440	2.5894	2.1334	4.7228	0.0000	5,069.2761	5,069.2761	1.2494	0.0000	5,095.5125
2016	3.9083	22.9181	23.2408	0.0391	1.1643	1.4031	2.5674	0.3112	1.3520	1.6632	0.0000	3,562.5564	3,562.5564	0.5155	0.0000	3,573.3809
2017	46.5874	21.2663	22.1254	0.0391	1.1643	1.2597	2.4240	0.3112	1.2136	1.5248	0.0000	3,502.4653	3,502.4653	0.4876	0.0000	3,512.7042
Total	54.9410	96.4688	73.2524	0.1271	7.2536	4.9818	12.2354	3.2118	4.6991	7.9109	0.0000	12,134.2978	12,134.2978	2.2524	0.0000	12,181.5976

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	4.4453	52.2844	27.8862	0.0489	1.1834	2.3190	3.5024	0.5402	2.1334	2.6737	0.0000	5,069.2761	5,069.2761	1.2494	0.0000	5,095.5125
2016	3.9083	22.9181	23.2408	0.0391	1.1643	1.4031	2.5674	0.3112	1.3520	1.6632	0.0000	3,562.5564	3,562.5564	0.5155	0.0000	3,573.3809

2017	46.5874	21.2663	22.1254	0.0391	1.1643	1.2597	2.4240	0.3112	1.2136	1.5248	0.0000	3,502.4653	3,502.4653	0.4876	0.0000	3,512.7042
Total	54.9410	96.4688	73.2524	0.1271	3.5120	4.9818	8.4937	1.1626	4.6991	5.8617	0.0000	12,134.2978	12,134.2978	2.2524	0.0000	12,181.5976

	ROG	NOx	CO	SO2	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	51.58	0.00	30.58	63.80	0.00	25.90	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5594	0.4723	31.2248	0.0764		3.9498	3.9498		3.9487	3.9487	560.6557	1,724.1440	2,284.7996	2.6680	0.0314	2,350.5457
Energy	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
Mobile	2.5808	7.6732	29.3343	0.0719	4.9359	0.1086	5.0445	1.3199	0.0999	1.4198		6,148.5313	6,148.5313	0.2541		6,153.8664
Total	9.1681	8.3835	60.6604	0.1498	4.9359	4.0776	9.0135	1.3199	4.0678	5.3877	560.6557	8,176.4459	8,737.1015	2.9279	0.0369	8,810.0314

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8387	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430	0.0000	14.1440	14.1440	0.0143	0.0000	14.4433
Energy	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

Mobile	2.4211	6.4716	25.4869	0.0592	4.0448	0.0900	4.1349	1.0816	0.0829	1.1645		5,065.2395	5,065.2395	0.2117		5,069.6856
Total	6.2877	6.8020	33.5197	0.0612	4.0448	0.1523	4.1971	1.0816	0.1451	1.2267	0.0000	5,383.1541	5,383.1541	0.2318	5.5700e-003	5,389.7483

	ROG	NOx	CO	SO2	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	31.42	18.86	44.74	59.17	18.05	96.26	53.44	18.05	96.43	77.23	100.00	34.16	38.39	92.08	84.91	38.82

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2015	7/31/2015	5	23	
2	Site Preparation	Site Preparation	8/3/2015	8/31/2015	5	21	
3	Grading	Grading	9/1/2015	10/30/2015	5	44	
4	Building Construction	Building Construction	11/2/2015	4/28/2017	5	390	
5	Paving	Paving	5/1/2017	5/26/2017	5	20	
6	Architectural Coating	Architectural Coating	5/29/2017	7/30/2017	5	45	

Acres of Grading (Site Preparation Phase): 0.54

Acres of Grading (Grading Phase): 0.54

Acres of Paving: 0

Residential Indoor: 192,375; Residential Outdoor: 64,125; Non-Residential Indoor: 86,400; Non-Residential Outdoor: 28,800 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Rubber Tired Dozers	1	6.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	174	0.41

Site Preparation	Rubber Tired Dozers	1	6.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Bore/Drill Rigs	1	6.00	205	0.50
Grading	Cranes	1	6.00	226	0.29
Grading	Crawler Tractors	1	6.00	208	0.43
Grading	Excavators	1	6.00	162	0.38
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Rubber Tired Loaders	1	6.00	199	0.36
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	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	125	0.42
Paving	Paving Equipment	1	8.00	130	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	4	10.00	0.00	178.00	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	8	20.00	0.00	413.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	93.00	20.00	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	19.00	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 Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6747	0.0000	1.6747	0.2536	0.0000	0.2536			0.0000			0.0000
Off-Road	2.0296	19.6842	14.7233	0.0160		1.1974	1.1974		1.1248	1.1248		1,636.1792	1,636.1792	0.4035		1,644.6522
Total	2.0296	19.6842	14.7233	0.0160	1.6747	1.1974	2.8721	0.2536	1.1248	1.3784		1,636.1792	1,636.1792	0.4035		1,644.6522

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1646	2.5420	1.9187	5.7800e-003	0.1348	0.0406	0.1754	0.0369	0.0374	0.0743		587.6399	587.6399	4.8500e-003		587.7417
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0514	0.0688	0.7205	1.3700e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		120.0108	120.0108	7.2600e-003		120.1631
Total	0.2160	2.6108	2.6391	7.1500e-003	0.2465	0.0417	0.2883	0.0665	0.0384	0.1049		707.6506	707.6506	0.0121		707.9048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2939	0.0000	0.2939	0.0445	0.0000	0.0445			0.0000			0.0000
Off-Road	2.0296	19.6842	14.7233	0.0160		1.1974	1.1974		1.1248	1.1248	0.0000	1,636.1792	1,636.1792	0.4035		1,644.6522
Total	2.0296	19.6842	14.7233	0.0160	0.2939	1.1974	1.4913	0.0445	1.1248	1.1693	0.0000	1,636.1792	1,636.1792	0.4035		1,644.6522

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1646	2.5420	1.9187	5.7800e-003	0.1348	0.0406	0.1754	0.0369	0.0374	0.0743		587.6399	587.6399	4.8500e-003		587.7417
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0688	0.7205	1.3700e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		120.0108	120.0108	7.2600e-003		120.1631
Total	0.2160	2.6108	2.6391	7.1500e-003	0.2465	0.0417	0.2883	0.0665	0.0384	0.1049		707.6506	707.6506	0.0121		707.9048

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					4.5438	0.0000	4.5438	2.4856	0.0000	2.4856			0.0000				0.0000
Off-Road	2.0215	21.5152	13.7870	0.0137		1.1632	1.1632		1.0702	1.0702		1,438.8641	1,438.8641	0.4296			1,447.8848
Total	2.0215	21.5152	13.7870	0.0137	4.5438	1.1632	5.7070	2.4856	1.0702	3.5558		1,438.8641	1,438.8641	0.4296			1,447.8848

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0411	0.0550	0.5764	1.1000e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		96.0086	96.0086	5.8000e-003			96.1305
Total	0.0411	0.0550	0.5764	1.1000e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		96.0086	96.0086	5.8000e-003			96.1305

Mitigated Construction On-Site

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

Fugitive Dust					0.7974	0.0000	0.7974	0.4362	0.0000	0.4362			0.0000			0.0000
Off-Road	2.0215	21.5152	13.7870	0.0137		1.1632	1.1632		1.0702	1.0702	0.0000	1,438.8641	1,438.8641	0.4296		1,447.8848
Total	2.0215	21.5152	13.7870	0.0137	0.7974	1.1632	1.9607	0.4362	1.0702	1.5064	0.0000	1,438.8641	1,438.8641	0.4296		1,447.8848

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0550	0.5764	1.1000e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		96.0086	96.0086	5.8000e-003		96.1305
Total	0.0411	0.0550	0.5764	1.1000e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		96.0086	96.0086	5.8000e-003		96.1305

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5381	0.0000	4.5381	2.4854	0.0000	2.4854			0.0000			0.0000
Off-Road	4.1428	49.0638	24.1183	0.0392		2.2675	2.2675		2.0861	2.0861		4,116.5387	4,116.5387	1.2290		4,142.3468
Total	4.1428	49.0638	24.1183	0.0392	4.5381	2.2675	6.8055	2.4854	2.0861	4.5714		4,116.5387	4,116.5387	1.2290		4,142.3468

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1997	3.0831	2.3271	7.0100e-003	0.1634	0.0493	0.2127	0.0447	0.0453	0.0901		712.7159	712.7159	5.8800e-003		712.8394
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1028	0.1375	1.4409	2.7400e-003	0.2236	2.2300e-003	0.2258	0.0593	2.0500e-003	0.0613		240.0215	240.0215	0.0145		240.3263
Total	0.3024	3.2206	3.7680	9.7500e-003	0.3870	0.0515	0.4385	0.1040	0.0474	0.1514		952.7375	952.7375	0.0204		953.1656

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7964	0.0000	0.7964	0.4362	0.0000	0.4362			0.0000			0.0000
Off-Road	4.1428	49.0638	24.1183	0.0392		2.2675	2.2675		2.0861	2.0861	0.0000	4,116.5387	4,116.5387	1.2290		4,142.3468
Total	4.1428	49.0638	24.1183	0.0392	0.7964	2.2675	3.0639	0.4362	2.0861	2.5223	0.0000	4,116.5387	4,116.5387	1.2290		4,142.3468

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	lb/day										lb/day					
Hauling	0.1997	3.0831	2.3271	7.0100e-003	0.1634	0.0493	0.2127	0.0447	0.0453	0.0901		712.7159	712.7159	5.8800e-003		712.8394
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1028	0.1375	1.4409	2.7400e-003	0.2236	2.2300e-003	0.2258	0.0593	2.0500e-003	0.0613		240.0215	240.0215	0.0145		240.3263
Total	0.3024	3.2206	3.7680	9.7500e-003	0.3870	0.0515	0.4385	0.1040	0.0474	0.1514		952.7375	952.7375	0.0204		953.1656

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812
Total	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344		2,055.6247	2,055.6247	0.4741		2,065.5812

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2120	2.0286	2.6681	4.3700e-003	0.1247	0.0336	0.1582	0.0355	0.0309	0.0663		441.5568	441.5568	3.6700e-003		441.6339
Worker	0.4780	0.6394	6.7003	0.0128	1.0395	0.0104	1.0499	0.2757	9.5200e-003	0.2852		1,116.1000	1,116.1000	0.0675		1,117.5171

Total	0.6899	2.6679	9.3684	0.0171	1.1642	0.0440	1.2081	0.3112	0.0404	0.3515		1,557.6568	1,557.6568	0.0712		1,559.1511
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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	lb/day										lb/day					
Off-Road	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344	0.0000	2,055.6247	2,055.6247	0.4741		2,065.5812
Total	3.6000	21.5642	15.0041	0.0220		1.4851	1.4851		1.4344	1.4344	0.0000	2,055.6247	2,055.6247	0.4741		2,065.5812

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2120	2.0286	2.6681	4.3700e-003	0.1247	0.0336	0.1582	0.0355	0.0309	0.0663		441.5568	441.5568	3.6700e-003		441.6339
Worker	0.4780	0.6394	6.7003	0.0128	1.0395	0.0104	1.0499	0.2757	9.5200e-003	0.2852		1,116.1000	1,116.1000	0.0675		1,117.5171
Total	0.6899	2.6679	9.3684	0.0171	1.1642	0.0440	1.2081	0.3112	0.0404	0.3515		1,557.6568	1,557.6568	0.0712		1,559.1511

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
Total	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1859	1.7941	2.4756	4.3600e-003	0.1247	0.0277	0.1524	0.0355	0.0254	0.0609		436.7842	436.7842	3.3300e-003		436.8541
Worker	0.4309	0.5781	6.0578	0.0128	1.0395	9.8300e-003	1.0494	0.2757	9.0400e-003	0.2847		1,078.8289	1,078.8289	0.0622		1,080.1356
Total	0.6168	2.3722	8.5334	0.0171	1.1643	0.0375	1.2017	0.3112	0.0345	0.3456		1,515.6132	1,515.6132	0.0656		1,516.9896

Mitigated Construction On-Site

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

Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
Total	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1859	1.7941	2.4756	4.3600e-003	0.1247	0.0277	0.1524	0.0355	0.0254	0.0609		436.7842	436.7842	3.3300e-003		436.8541
Worker	0.4309	0.5781	6.0578	0.0128	1.0395	9.8300e-003	1.0494	0.2757	9.0400e-003	0.2847		1,078.8289	1,078.8289	0.0622		1,080.1356
Total	0.6168	2.3722	8.5334	0.0171	1.1643	0.0375	1.2017	0.3112	0.0345	0.3456		1,515.6132	1,515.6132	0.0656		1,516.9896

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823		2,034.2860	2,034.2860	0.4268		2,043.2497
Total	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823		2,034.2860	2,034.2860	0.4268		2,043.2497

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1692	1.6347	2.3482	4.3600e-003	0.1248	0.0246	0.1494	0.0355	0.0227	0.0582		429.8013	429.8013	3.2200e-003		429.8690
Worker	0.3864	0.5228	5.4663	0.0128	1.0395	9.4200e-003	1.0489	0.2757	8.6800e-003	0.2844		1,038.3779	1,038.3779	0.0575		1,039.5856
Total	0.5556	2.1575	7.8144	0.0171	1.1643	0.0340	1.1983	0.3112	0.0313	0.3425		1,468.1792	1,468.1792	0.0607		1,469.4545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268		2,043.2497
Total	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268		2,043.2497

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1692	1.6347	2.3482	4.3600e-003	0.1248	0.0246	0.1494	0.0355	0.0227	0.0582		429.8013	429.8013	3.2200e-003		429.8690
Worker	0.3864	0.5228	5.4663	0.0128	1.0395	9.4200e-003	1.0489	0.2757	8.6800e-003	0.2844		1,038.3779	1,038.3779	0.0575		1,039.5856
Total	0.5556	2.1575	7.8144	0.0171	1.1643	0.0340	1.1983	0.3112	0.0313	0.3425		1,468.1792	1,468.1792	0.0607		1,469.4545

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755		1,347.6575	1,347.6575	0.4052		1,356.1677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755		1,347.6575	1,347.6575	0.4052		1,356.1677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184

Total	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
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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	lb/day										lb/day					
Off-Road	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755	0.0000	1,347.6575	1,347.6575	0.4052		1,356.1677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1857	12.0981	9.0308	0.0133		0.7333	0.7333		0.6755	0.6755	0.0000	1,347.6575	1,347.6575	0.4052		1,356.1677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
Total	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.1762					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	46.5085	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0789	0.1068	1.1168	2.6000e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		212.1417	212.1417	0.0118		212.3885
Total	0.0789	0.1068	1.1168	2.6000e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		212.1417	212.1417	0.0118		212.3885

Mitigated Construction On-Site

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

Mitigated	2.4211	6.4716	25.4869	0.0592	4.0448	0.0900	4.1349	1.0816	0.0829	1.1645		5,065.2395	5,065.2395	0.2117		5,069.6856
Unmitigated	2.5808	7.6732	29.3343	0.0719	4.9359	0.1086	5.0445	1.3199	0.0999	1.4198		6,148.5313	6,148.5313	0.2541		6,153.8664

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	626.05	680.20	576.65	2,141,627	1,755,008
Enclosed Parking Structure	0.00	0.00	0.00		
Total	626.05	680.20	576.65	2,141,627	1,755,008

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

NaturalGas Mitigated	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
NaturalGas Unmitigated	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	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
Apartments Mid Rise	2582.05	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
Total		0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	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
Apartments Mid Rise	2.58205	0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194
Total		0.0279	0.2380	0.1013	1.5200e-003		0.0192	0.0192		0.0192	0.0192		303.7707	303.7707	5.8200e-003	5.5700e-003	305.6194

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8387	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430	0.0000	14.1440	14.1440	0.0143	0.0000	14.4433
Unmitigated	6.5594	0.4723	31.2248	0.0764		3.9498	3.9498		3.9487	3.9487	560.6557	1,724.1440	2,284.7996	2.6680	0.0314	2,350.5457

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0215					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.7207	0.3799	23.2932	0.0760		3.9068	3.9068		3.9056	3.9056	560.6557	1,710.0000	2,270.6557	2.6537	0.0314	2,336.1024
Landscaping	0.2479	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430		14.1440	14.1440	0.0143		14.4433
Total	6.5594	0.4723	31.2248	0.0764		3.9498	3.9498		3.9487	3.9487	560.6557	1,724.1440	2,284.7996	2.6680	0.0314	2,350.5457

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0215					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	0.2479	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430		14.1440	14.1440	0.0143		14.4433
Total	3.8387	0.0924	7.9316	4.1000e-004		0.0430	0.0430		0.0430	0.0430	0.0000	14.1440	14.1440	0.0143	0.0000	14.4433

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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