

**Enclave Multifamily Residential Project
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	162.00	Space	0.00	0.00	0
Other Asphalt Surfaces	36.00	1000sqft	0.00	36,000.00	0
Health Club	0.76	1000sqft	0.00	761.00	0
Apartments Mid Rise	71.00	Dwelling Unit	0.72	99,539.00	185

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2017
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MW hr)	1115.33	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 - Lot acreage, floor area per Conceptual Plan. Population is 2.6 res per unit

Construction Phase - Construction assumptions

Off-road Equipment -

Off-road Equipment - Construction assumptions

Off-road Equipment -

Off-road Equipment - Construction assumptions

Off-road Equipment - Construction assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Hauling length is average distance to Chiquita and Manning Landfills. Changed #worker trips from 0 to 10

Demolition -

Grading - Per site plan

Vehicle Trips - Rates from Traffic Memo. Health club is for residents and would not generate additional trips to Project Site

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodstoves or fireplaces

Water And Wastewater - Indoor water use includes landscaping, fitness center. See Section 4.9 Utilities

Solid Waste - See Section 4.9, Utilities for calculation

Construction Off-road Equipment Mitigation - Tier 3 engines required by CARB

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstructionPhase	NumDays	5.00	60.00

tblConstructionPhase	NumDays	100.00	230.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	NumDays	2.00	120.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	60.35	0.00
tblFireplaces	NumberNoFireplace	7.10	0.00
tblFireplaces	NumberWood	3.55	0.00
tblGrading	AcresOfGrading	60.00	0.72
tblGrading	AcresOfGrading	2.25	0.72
tblGrading	MaterialExported	0.00	28,500.00
tblLandUse	LandUseSquareFeet	64,800.00	0.00
tblLandUse	LandUseSquareFeet	760.00	761.00
tblLandUse	LandUseSquareFeet	71,000.00	99,539.00
tblLandUse	LotAcreage	1.46	0.00
tblLandUse	LotAcreage	0.83	0.00
tblLandUse	LotAcreage	0.02	0.00
tblLandUse	LotAcreage	1.87	0.72
tblLandUse	Population	203.00	185.00
tblOffRoadEquipment	HorsePower	174.00	81.00
tblOffRoadEquipment	HorsePower	130.00	97.00
tblOffRoadEquipment	LoadFactor	0.41	0.73
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	32.66	25.16
tblSolidWaste	SolidWasteGenerationRate	4.33	0.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	64.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00

tblVehicleTrips	PR_TP	52.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	4,625,935.82	4,071,575.00
tblWater	IndoorWaterUseRate	44,948.79	0.00
tblWater	OutdoorWaterUseRate	2,916,350.84	0.00
tblWater	OutdoorWaterUseRate	27,549.26	0.00
tblWoodstoves	NumberCatalytic	3.55	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.1556	1.5921	1.0430	1.9900e-003	0.0914	0.0870	0.1784	0.0360	0.0805	0.1165	0.0000	184.3701	184.3701	0.0226	0.0000	184.8438
2016	0.4208	2.4047	2.2300	3.6500e-003	0.1446	0.1544	0.2990	0.0510	0.1483	0.1993	0.0000	304.2665	304.2665	0.0496	0.0000	305.3071
2017	0.4764	0.0652	0.0733	1.3000e-004	3.5000e-003	5.0600e-003	8.5500e-003	9.3000e-004	5.0600e-003	5.9800e-003	0.0000	10.6876	10.6876	9.6000e-004	0.0000	10.7078
Total	1.0527	4.0620	3.3464	5.7700e-003	0.2395	0.2465	0.4860	0.0880	0.2338	0.3218	0.0000	499.3242	499.3242	0.0731	0.0000	500.8586

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	0.0514	0.9097	0.9480	1.9900e-003	0.0576	0.0337	0.0913	0.0200	0.0331	0.0531	0.0000	184.3700	184.3700	0.0226	0.0000	184.8437
2016	0.1274	1.5186	2.0612	3.6500e-003	0.1168	0.0834	0.2002	0.0358	0.0831	0.1189	0.0000	304.2663	304.2663	0.0496	0.0000	305.3069
2017	0.4685	0.0412	0.0723	1.3000e-004	3.5000e-003	2.7900e-003	6.2900e-003	9.3000e-004	2.7900e-003	3.7200e-003	0.0000	10.6876	10.6876	9.6000e-004	0.0000	10.7078
Total	0.6472	2.4695	3.0815	5.7700e-003	0.1779	0.1199	0.2978	0.0567	0.1190	0.1757	0.0000	499.3239	499.3239	0.0731	0.0000	500.8583

	ROG	NOx	CO	SO2	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	38.52	39.20	7.91	0.00	25.72	51.36	38.72	35.52	49.10	45.39	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	0.5640	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265
Energy	2.8300e-003	0.0242	0.0106	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	160.5884	160.5884	3.9800e-003	1.2300e-003	161.0523
Mobile	0.3100	0.9880	3.7251	9.1900e-003	0.6115	0.0137	0.6252	0.1638	0.0126	0.1764	0.0000	712.7079	712.7079	0.0291	0.0000	713.3183
Waste						0.0000	0.0000		0.0000	0.0000	5.1073	0.0000	5.1073	0.3018	0.0000	11.4457
Water						0.0000	0.0000		0.0000	0.0000	1.2917	26.8211	28.1128	0.1334	3.2800e-003	31.9294
Total	0.8768	1.0209	4.4779	9.3800e-003	0.6115	0.0197	0.6312	0.1638	0.0186	0.1824	6.3990	901.3183	907.7173	0.4695	4.5100e-003	918.9722

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5640	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265
Energy	2.5000e-003	0.0214	9.3700e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	155.7636	155.7636	3.8800e-003	1.1600e-003	156.2043
Mobile	0.2903	0.8375	3.2412	7.6200e-003	0.5043	0.0114	0.5157	0.1351	0.0105	0.1456	0.0000	590.8054	590.8054	0.0244	0.0000	591.3170
Waste						0.0000	0.0000		0.0000	0.0000	2.5536	0.0000	2.5536	0.1509	0.0000	5.7228
Water						0.0000	0.0000		0.0000	0.0000	1.0334	20.7121	21.7455	0.1067	2.6200e-003	24.7971
Total	0.8567	0.8676	3.9927	7.8000e-003	0.5043	0.0172	0.5215	0.1351	0.0163	0.1513	3.5870	768.4821	772.0691	0.2870	3.7800e-003	779.2678

	ROG	NOx	CO	SO2	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	2.29	15.01	10.83	16.84	17.53	12.67	17.38	17.53	12.45	17.02	43.94	14.74	14.94	38.86	16.19	15.20

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	8/4/2015	5	25	
2	Site Preparation	Site Preparation	8/5/2015	8/12/2015	5	6	
3	Grading	Grading	8/13/2015	1/27/2016	5	120	
4	Building Construction	Building Construction	1/28/2016	12/14/2016	5	230	
5	Paving	Paving	12/15/2016	12/28/2016	5	10	
6	Architectural Coating	Architectural Coating	12/29/2016	3/22/2017	5	60	

Acres of Grading (Site Preparation Phase): 0.72

Acres of Grading (Grading Phase): 0.72

Acres of Paving: 0

Residential Indoor: 201,566; Residential Outdoor: 67,189; Non-Residential Indoor: 11,942; Non-Residential Outdoor: 3,981 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Excavators	1	6.00	162	0.38
Grading	Graders	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	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	7.00	97	0.37
Paving	Rollers	1	6.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	88.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	2,818.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	54.00	9.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved 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					9.5000e-003	0.0000	9.5000e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0177	0.1493	0.1102	1.5000e-004		0.0109	0.0109		0.0105	0.0105	0.0000	13.6150	13.6150	2.7800e-003	0.0000	13.6734
Total	0.0177	0.1493	0.1102	1.5000e-004	9.5000e-003	0.0109	0.0204	1.4400e-003	0.0105	0.0119	0.0000	13.6150	13.6150	2.7800e-003	0.0000	13.6734

3.2 Demolition - 2015

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	1.0300e-003	0.0175	0.0114	4.0000e-005	9.0000e-004	2.8000e-004	1.1800e-003	2.5000e-004	2.5000e-004	5.0000e-004	0.0000	3.6279	3.6279	3.0000e-005	0.0000	3.6285
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	8.8000e-004	9.1900e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.8000e-004	0.0000	1.3828	1.3828	8.0000e-005	0.0000	1.3845
Total	1.6400e-003	0.0183	0.0206	6.0000e-005	2.2700e-003	2.9000e-004	2.5600e-003	6.1000e-004	2.6000e-004	8.8000e-004	0.0000	5.0106	5.0106	1.1000e-004	0.0000	5.0130

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					3.7000e-003	0.0000	3.7000e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3300e-003	0.0748	0.0995	1.5000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	13.6150	13.6150	2.7800e-003	0.0000	13.6734
Total	3.3300e-003	0.0748	0.0995	1.5000e-004	3.7000e-003	5.0300e-003	8.7300e-003	5.6000e-004	5.0300e-003	5.5900e-003	0.0000	13.6150	13.6150	2.7800e-003	0.0000	13.6734

3.2 Demolition - 2015

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	1.0300e-003	0.0175	0.0114	4.0000e-005	9.0000e-004	2.8000e-004	1.1800e-003	2.5000e-004	2.5000e-004	5.0000e-004	0.0000	3.6279	3.6279	3.0000e-005	0.0000	3.6285
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	8.8000e-004	9.1900e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.8000e-004	0.0000	1.3828	1.3828	8.0000e-005	0.0000	1.3845
Total	1.6400e-003	0.0183	0.0206	6.0000e-005	2.2700e-003	2.9000e-004	2.5600e-003	6.1000e-004	2.6000e-004	8.8000e-004	0.0000	5.0106	5.0106	1.1000e-004	0.0000	5.0130

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					3.8000e-004	0.0000	3.8000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0322	0.0167	2.0000e-005		1.9800e-003	1.9800e-003		1.8200e-003	1.8200e-003	0.0000	2.0096	2.0096	6.0000e-004	0.0000	2.0222
Total	3.2000e-003	0.0322	0.0167	2.0000e-005	3.8000e-004	1.9800e-003	2.3600e-003	4.0000e-005	1.8200e-003	1.8600e-003	0.0000	2.0096	2.0096	6.0000e-004	0.0000	2.0222

3.3 Site Preparation - 2015

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	1.5000e-004	2.1000e-004	2.2100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3319	0.3319	2.0000e-005	0.0000	0.3323
Total	1.5000e-004	2.1000e-004	2.2100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3319	0.3319	2.0000e-005	0.0000	0.3323

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5000e-004	0.0000	1.5000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	0.0105	0.0157	2.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	2.0096	2.0096	6.0000e-004	0.0000	2.0222
Total	5.1000e-004	0.0105	0.0157	2.0000e-005	1.5000e-004	5.9000e-004	7.4000e-004	2.0000e-005	5.9000e-004	6.1000e-004	0.0000	2.0096	2.0096	6.0000e-004	0.0000	2.0222

3.3 Site Preparation - 2015

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	1.5000e-004	2.1000e-004	2.2100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3319	0.3319	2.0000e-005	0.0000	0.3323
Total	1.5000e-004	2.1000e-004	2.2100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3319	0.3319	2.0000e-005	0.0000	0.3323

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	tons/yr										MT/yr					
Fugitive Dust					0.0456	0.0000	0.0456	0.0249	0.0000	0.0249	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1027	0.9179	0.5487	6.3000e-004		0.0663	0.0663		0.0610	0.0610	0.0000	60.0363	60.0363	0.0179	0.0000	60.4127
Total	0.1027	0.9179	0.5487	6.3000e-004	0.0456	0.0663	0.1119	0.0249	0.0610	0.0859	0.0000	60.0363	60.0363	0.0179	0.0000	60.4127

3.4 Grading - 2015

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	0.0278	0.4706	0.3076	1.0600e-003	0.0278	7.4300e-003	0.0352	7.5300e-003	6.8400e-003	0.0144	0.0000	97.7803	97.7803	7.9000e-004	0.0000	0.0000	97.7969
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	0.0000
Worker	2.4500e-003	3.5600e-003	0.0371	7.0000e-005	5.5300e-003	6.0000e-005	5.5900e-003	1.4700e-003	5.0000e-005	1.5200e-003	0.0000	5.5863	5.5863	3.3000e-004	0.0000	0.0000	5.5933
Total	0.0302	0.4742	0.3447	1.1300e-003	0.0333	7.4900e-003	0.0408	9.0000e-003	6.8900e-003	0.0159	0.0000	103.3666	103.3666	1.1200e-003	0.0000	0.0000	103.3902

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0178	0.0000	0.0178	9.7000e-003	0.0000	9.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0155	0.3317	0.4652	6.3000e-004		0.0203	0.0203		0.0203	0.0203	0.0000	60.0362	60.0362	0.0179	0.0000	60.4126
Total	0.0155	0.3317	0.4652	6.3000e-004	0.0178	0.0203	0.0381	9.7000e-003	0.0203	0.0300	0.0000	60.0362	60.0362	0.0179	0.0000	60.4126

3.4 Grading - 2015

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	0.0278	0.4706	0.3076	1.0600e-003	0.0278	7.4300e-003	0.0352	7.5300e-003	6.8400e-003	0.0144	0.0000	97.7803	97.7803	7.9000e-004	0.0000	97.7969
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	2.4500e-003	3.5600e-003	0.0371	7.0000e-005	5.5300e-003	6.0000e-005	5.5900e-003	1.4700e-003	5.0000e-005	1.5200e-003	0.0000	5.5863	5.5863	3.3000e-004	0.0000	5.5933
Total	0.0302	0.4742	0.3447	1.1300e-003	0.0333	7.4900e-003	0.0408	9.0000e-003	6.8900e-003	0.0159	0.0000	103.3666	103.3666	1.1200e-003	0.0000	103.3902

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0456	0.0000	0.0456	0.0249	0.0000	0.0249	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1645	0.1019	1.2000e-004		0.0118	0.0118		0.0109	0.0109	0.0000	11.1637	11.1637	3.3700e-003	0.0000	11.2345
Total	0.0185	0.1645	0.1019	1.2000e-004	0.0456	0.0118	0.0574	0.0249	0.0109	0.0358	0.0000	11.1637	11.1637	3.3700e-003	0.0000	11.2345

3.4 Grading - 2016**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-003	0.0782	0.0537	2.0000e-004	0.0230	1.1100e-003	0.0241	5.7700e-003	1.0200e-003	6.7900e-003	0.0000	18.1912	18.1912	1.3000e-004	0.0000	18.1940
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	6.1000e-004	6.3200e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0158	1.0158	6.0000e-005	0.0000	1.0170
Total	5.0100e-003	0.0788	0.0600	2.1000e-004	0.0240	1.1200e-003	0.0251	6.0500e-003	1.0300e-003	7.0800e-003	0.0000	19.2071	19.2071	1.9000e-004	0.0000	19.2111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0178	0.0000	0.0178	9.7000e-003	0.0000	9.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9100e-003	0.0624	0.0875	1.2000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	11.1637	11.1637	3.3700e-003	0.0000	11.2344
Total	2.9100e-003	0.0624	0.0875	1.2000e-004	0.0178	3.8200e-003	0.0216	9.7000e-003	3.8200e-003	0.0135	0.0000	11.1637	11.1637	3.3700e-003	0.0000	11.2344

3.4 Grading - 2016

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	4.6000e-003	0.0782	0.0537	2.0000e-004	0.0230	1.1100e-003	0.0241	5.7700e-003	1.0200e-003	6.7900e-003	0.0000	18.1912	18.1912	1.3000e-004	0.0000	18.1940
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	6.1000e-004	6.3200e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0158	1.0158	6.0000e-005	0.0000	1.0170
Total	5.0100e-003	0.0788	0.0600	2.1000e-004	0.0240	1.1200e-003	0.0251	6.0500e-003	1.0300e-003	7.0800e-003	0.0000	19.2071	19.2071	1.9000e-004	0.0000	19.2111

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	0.3395	1.9785	1.4962	2.1700e-003		0.1362	0.1362		0.1315	0.1315	0.0000	182.0103	182.0103	0.0408	0.0000	182.8679
Total	0.3395	1.9785	1.4962	2.1700e-003		0.1362	0.1362		0.1315	0.1315	0.0000	182.0103	182.0103	0.0408	0.0000	182.8679

3.5 Building Construction - 2016

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	0.0000
Vendor	9.3100e-003	0.0947	0.1230	2.3000e-004	6.3500e-003	1.4200e-003	7.7700e-003	1.8100e-003	1.3100e-003	3.1200e-003	0.0000	20.6052	20.6052	1.5000e-004	0.0000	20.6084	
Worker	0.0271	0.0396	0.4131	8.7000e-004	0.0681	6.6000e-004	0.0687	0.0181	6.0000e-004	0.0187	0.0000	66.4023	66.4023	3.7700e-003	0.0000	66.4814	
Total	0.0364	0.1343	0.5361	1.1000e-003	0.0744	2.0800e-003	0.0765	0.0199	1.9100e-003	0.0218	0.0000	87.0075	87.0075	3.9200e-003	0.0000	87.0898	

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	0.0657	1.2202	1.3413	2.1700e-003		0.0750	0.0750		0.0750	0.0750	0.0000	182.0101	182.0101	0.0408	0.0000	182.8677	
Total	0.0657	1.2202	1.3413	2.1700e-003		0.0750	0.0750		0.0750	0.0750	0.0000	182.0101	182.0101	0.0408	0.0000	182.8677	

3.5 Building Construction - 2016**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	9.3100e-003	0.0947	0.1230	2.3000e-004	6.3500e-003	1.4200e-003	7.7700e-003	1.8100e-003	1.3100e-003	3.1200e-003	0.0000	20.6052	20.6052	1.5000e-004	0.0000	20.6084
Worker	0.0271	0.0396	0.4131	8.7000e-004	0.0681	6.6000e-004	0.0687	0.0181	6.0000e-004	0.0187	0.0000	66.4023	66.4023	3.7700e-003	0.0000	66.4814
Total	0.0364	0.1343	0.5361	1.1000e-003	0.0744	2.0800e-003	0.0765	0.0199	1.9100e-003	0.0218	0.0000	87.0075	87.0075	3.9200e-003	0.0000	87.0898

3.6 Paving - 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	4.7100e-003	0.0459	0.0299	4.0000e-005		2.9700e-003	2.9700e-003		2.7400e-003	2.7400e-003	0.0000	3.9704	3.9704	1.1600e-003	0.0000	3.9949
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.7100e-003	0.0459	0.0299	4.0000e-005		2.9700e-003	2.9700e-003		2.7400e-003	2.7400e-003	0.0000	3.9704	3.9704	1.1600e-003	0.0000	3.9949

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	3.2000e-004	3.3300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5346	0.5346	3.0000e-005	0.0000	0.5353
Total	2.2000e-004	3.2000e-004	3.3300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5346	0.5346	3.0000e-005	0.0000	0.5353

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	9.9000e-004	0.0212	0.0305	4.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	3.9704	3.9704	1.1600e-003	0.0000	3.9949
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.9000e-004	0.0212	0.0305	4.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	3.9704	3.9704	1.1600e-003	0.0000	3.9949

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	3.2000e-004	3.3300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5346	0.5346	3.0000e-005	0.0000	0.5353
Total	2.2000e-004	3.2000e-004	3.3300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5346	0.5346	3.0000e-005	0.0000	0.5353

3.7 Architectural Coating - 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					
Archit. Coating	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7000e-004	2.3700e-003	1.8800e-003	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.2560
Total	0.0164	2.3700e-003	1.8800e-003	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.2560

3.7 Architectural Coating - 2016

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	5.0000e-005	7.0000e-005	7.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1176	0.1176	1.0000e-005	0.0000	0.1178
Total	5.0000e-005	7.0000e-005	7.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1176	0.1176	1.0000e-005	0.0000	0.1178

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.2560
Total	0.0161	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.2560

3.7 Architectural Coating - 2016

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	5.0000e-005	7.0000e-005	7.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1176	0.1176	1.0000e-005	0.0000	0.1178
Total	5.0000e-005	7.0000e-005	7.3000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1176	0.1176	1.0000e-005	0.0000	0.1178

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	0.4655					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6400e-003	0.0634	0.0542	9.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	7.4044	7.4044	7.8000e-004	0.0000	7.4209
Total	0.4751	0.0634	0.0542	9.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	7.4044	7.4044	7.8000e-004	0.0000	7.4209

3.7 Architectural Coating - 2017

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	1.2500e-003	1.8400e-003	0.0192	4.0000e-005	3.5000e-003	3.0000e-005	3.5300e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	3.2832	3.2832	1.8000e-004	0.0000	3.2869
Total	1.2500e-003	1.8400e-003	0.0192	4.0000e-005	3.5000e-003	3.0000e-005	3.5300e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	3.2832	3.2832	1.8000e-004	0.0000	3.2869

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4655					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0394	0.0531	9.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	7.4044	7.4044	7.8000e-004	0.0000	7.4208
Total	0.4672	0.0394	0.0531	9.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	7.4044	7.4044	7.8000e-004	0.0000	7.4208

3.7 Architectural Coating - 2017

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	1.2500e-003	1.8400e-003	0.0192	4.0000e-005	3.5000e-003	3.0000e-005	3.5300e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	3.2832	3.2832	1.8000e-004	0.0000	3.2869
Total	1.2500e-003	1.8400e-003	0.0192	4.0000e-005	3.5000e-003	3.0000e-005	3.5300e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	3.2832	3.2832	1.8000e-004	0.0000	3.2869

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2903	0.8375	3.2412	7.6200e-003	0.5043	0.0114	0.5157	0.1351	0.0105	0.1456	0.0000	590.8054	590.8054	0.0244	0.0000	591.3170
Unmitigated	0.3100	0.9880	3.7251	9.1900e-003	0.6115	0.0137	0.6252	0.1638	0.0126	0.1764	0.0000	712.7079	712.7079	0.0291	0.0000	713.3183

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	472.15	472.15	472.15	1,613,408	1,330,570
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	472.15	472.15	472.15	1,613,408	1,330,570

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	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

2.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	131.0007	131.0007	3.4100e-003	7.0000e-004	131.2907
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	132.5987	132.5987	3.4500e-003	7.1000e-004	132.8922
NaturalGas Mitigated	2.5000e-003	0.0214	9.3700e-003	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.7629	24.7629	4.7000e-004	4.5000e-004	24.9136
NaturalGas Unmitigated	2.8300e-003	0.0242	0.0106	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9897	27.9897	5.4000e-004	5.1000e-004	28.1601

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	14314.4	8.0000e-005	7.0000e-004	5.9000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7639	0.7639	1.0000e-005	1.0000e-005	0.7685
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	510193	2.7500e-003	0.0235	0.0100	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003	0.0000	27.2259	27.2259	5.2000e-004	5.0000e-004	27.3916
Total		2.8300e-003	0.0242	0.0106	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9897	27.9897	5.3000e-004	5.1000e-004	28.1601

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Health Club	12675.2	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6764	0.6764	1.0000e-005	1.0000e-005	0.6805
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	451365	2.4300e-003	0.0208	8.8500e-003	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	24.0865	24.0865	4.6000e-004	4.4000e-004	24.2331
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.5000e-003	0.0214	9.3700e-003	1.3000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.7629	24.7629	4.7000e-004	4.5000e-004	24.9136

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	252932	127.9595	3.3300e-003	6.9000e-004	128.2428
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	9170.05	4.6392	1.2000e-004	2.0000e-005	4.6495
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		132.5987	3.4500e-003	7.1000e-004	132.8922

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	250087	126.5203	3.2900e-003	6.8000e-004	126.8004
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	8856.14	4.4804	1.2000e-004	2.0000e-005	4.4903
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		131.0007	3.4100e-003	7.0000e-004	131.2907

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

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	0.5640	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265
Unmitigated	0.5640	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265

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	0.0482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0233	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265
Total	0.5640	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0233	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265
Total	0.5640	8.6500e-003	0.7422	4.0000e-005		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003	0.0000	1.2010	1.2010	1.2100e-003	0.0000	1.2265

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	21.7455	0.1067	2.6200e-003	24.7971
Unmitigated	28.1128	0.1334	3.2800e-003	31.9294

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.07158 / 0	28.1128	0.1334	3.2800e-003	31.9294
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		28.1128	0.1334	3.2800e-003	31.9294

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.25726 / 0	21.7455	0.1067	2.6200e-003	24.7971
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		21.7455	0.1067	2.6200e-003	24.7971

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.5536	0.1509	0.0000	5.7228
Unmitigated	5.1073	0.3018	0.0000	11.4457

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	25.16	5.1073	0.3018	0.0000	11.4457
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		5.1073	0.3018	0.0000	11.4457

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	12.58	2.5536	0.1509	0.0000	5.7228
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		2.5536	0.1509	0.0000	5.7228

9.0 Operational Offroad

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

Enclave Multifamily Residential Project
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	162.00	Space	0.00	0.00	0
Other Asphalt Surfaces	36.00	1000sqft	0.00	36,000.00	0
Health Club	0.76	1000sqft	0.00	761.00	0
Apartments Mid Rise	71.00	Dwelling Unit	0.72	99,539.00	185

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2017
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MW hr)	1115.33	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 - Lot acreage, floor area per Conceptual Plan. Population is 2.6 res per unit

Construction Phase - Construction assumptions

Off-road Equipment -

Off-road Equipment - Construction assumptions

Off-road Equipment -

Off-road Equipment - Construction assumptions

Off-road Equipment - Construction assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Hauling length is average distance to Chiquita and Manning Landfills. Changed #worker trips from 0 to 10

Demolition -

Grading - Per site plan

Vehicle Trips - Rates from Traffic Memo. Health club is for residents and would not generate additional trips to Project Site

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodstoves or fireplaces

Water And Wastewater - Indoor water use includes landscaping, fitness center. See Section 4.9 Utilities

Solid Waste - See Section 4.9, Utilities for calculation

Construction Off-road Equipment Mitigation - Tier 3 engines required by CARB

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	60.00

tblConstructionPhase	NumDays	100.00	230.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	NumDays	2.00	120.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	60.35	0.00
tblFireplaces	NumberNoFireplace	7.10	0.00
tblFireplaces	NumberWood	3.55	0.00
tblGrading	AcresOfGrading	60.00	0.72
tblGrading	AcresOfGrading	2.25	0.72
tblGrading	MaterialExported	0.00	28,500.00
tblLandUse	LandUseSquareFeet	64,800.00	0.00
tblLandUse	LandUseSquareFeet	760.00	761.00
tblLandUse	LandUseSquareFeet	71,000.00	99,539.00
tblLandUse	LotAcreage	1.46	0.00
tblLandUse	LotAcreage	0.83	0.00
tblLandUse	LotAcreage	0.02	0.00
tblLandUse	LotAcreage	1.87	0.72
tblLandUse	Population	203.00	185.00
tblOffRoadEquipment	HorsePower	174.00	81.00
tblOffRoadEquipment	HorsePower	130.00	97.00
tblOffRoadEquipment	LoadFactor	0.41	0.73
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	32.66	25.16
tblSolidWaste	SolidWasteGenerationRate	4.33	0.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	64.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00

tblVehicleTrips	PR_TP	52.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	4,625,935.82	4,071,575.00
tblWater	IndoorWaterUseRate	44,948.79	0.00
tblWater	OutdoorWaterUseRate	2,916,350.84	0.00
tblWater	OutdoorWaterUseRate	27,549.26	0.00
tblWoodstoves	NumberCatalytic	3.55	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	2.6140	27.0773	17.1387	0.0349	1.4315	1.4616	2.8932	0.5956	1.3447	1.9403	0.0000	3,573.711 0	3,573.711 0	0.4157	0.0000	3,582.440 1
2016	16.4684	25.1768	17.6714	0.0349	3.3420	1.3633	4.7053	1.0646	1.2542	2.3188	0.0000	3,530.783 8	3,530.783 8	0.4290	0.0000	3,539.793 4
2017	16.4273	2.2408	2.5594	4.5700e-003	0.1230	0.1745	0.2974	0.0326	0.1744	0.2070	0.0000	411.5811	411.5811	0.0365	0.0000	412.3479
Total	35.5097	54.4950	37.3695	0.0743	4.8965	2.9993	7.8959	1.6928	2.7732	4.4660	0.0000	7,516.075 9	7,516.075 9	0.8812	0.0000	7,534.581 4

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	0.8867	15.4701	15.4870	0.0349	0.9685	0.5505	1.5190	0.3428	0.5387	0.8814	0.0000	3,573.711 0	3,573.711 0	0.4157	0.0000	3,582.440 1
2016	16.1594	14.4292	16.3242	0.0349	2.8790	0.6698	3.3991	0.8117	0.6683	1.3225	0.0000	3,530.783 8	3,530.783 8	0.4290	0.0000	3,539.793 4
2017	16.1544	1.4127	2.5238	4.5700e-003	0.1230	0.0962	0.2192	0.0326	0.0961	0.1287	0.0000	411.5811	411.5811	0.0365	0.0000	412.3479
Total	33.2005	31.3120	34.3350	0.0743	3.9704	1.3165	5.1373	1.1871	1.3031	2.3326	0.0000	7,516.075 9	7,516.075 9	0.8812	0.0000	7,534.581 4

	ROG	NOx	CO	SO2	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	6.50	42.54	8.12	0.00	18.91	56.11	34.94	29.87	53.01	47.77	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	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156
Energy	0.0155	0.1327	0.0580	8.5000e-004		0.0107	0.0107		0.0107	0.0107		169.0597	169.0597	3.2400e-003	3.1000e-003	170.0885
Mobile	1.7111	5.0524	20.4328	0.0523	3.4262	0.0751	3.5013	0.9162	0.0691	0.9853		4,462.1559	4,462.1559	0.1762		4,465.8564
Total	4.8754	5.2542	26.4281	0.0534	3.4262	0.1180	3.5442	0.9162	0.1120	1.0282	0.0000	4,641.8063	4,641.8063	0.1902	3.1000e-003	4,646.7605

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	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156
Energy	0.0137	0.1174	0.0514	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003		149.5696	149.5696	2.8700e-003	2.7400e-003	150.4799
Mobile	1.6005	4.2891	17.5968	0.0433	2.8256	0.0626	2.8881	0.7556	0.0576	0.8132		3,698.6670	3,698.6670	0.1477		3,701.7682
Total	4.7630	4.4756	23.5855	0.0444	2.8256	0.1043	2.9298	0.7556	0.0993	0.8548	0.0000	3,858.8273	3,858.8273	0.1613	2.7400e-003	3,863.0637

	ROG	NOx	CO	SO2	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	2.30	14.82	10.76	16.93	17.53	11.65	17.33	17.53	11.38	16.86	0.00	16.87	16.87	15.20	11.61	16.87

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	8/4/2015	5	25	
2	Site Preparation	Site Preparation	8/5/2015	8/12/2015	5	6	
3	Grading	Grading	8/13/2015	1/27/2016	5	120	
4	Building Construction	Building Construction	1/28/2016	12/14/2016	5	230	
5	Paving	Paving	12/15/2016	12/28/2016	5	10	
6	Architectural Coating	Architectural Coating	12/29/2016	3/22/2017	5	60	

Acres of Grading (Site Preparation Phase): 0.72

Acres of Grading (Grading Phase): 0.72

Acres of Paving: 0

Residential Indoor: 201,566; Residential Outdoor: 67,189; Non-Residential Indoor: 11,942; Non-Residential Outdoor: 3,981 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Excavators	1	6.00	162	0.38
Grading	Graders	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	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	7.00	97	0.37
Paving	Rollers	1	6.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	88.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	2,818.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	54.00	9.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved 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					0.7599	0.0000	0.7599	0.1151	0.0000	0.1151			0.0000			0.0000
Off-Road	1.4120	11.9409	8.8138	0.0120		0.8748	0.8748		0.8359	0.8359		1,200.6386	1,200.6386	0.2451		1,205.7861
Total	1.4120	11.9409	8.8138	0.0120	0.7599	0.8748	1.6347	0.1151	0.8359	0.9509		1,200.6386	1,200.6386	0.2451		1,205.7861

3.2 Demolition - 2015

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	0.0795	1.3249	0.8259	3.1400e-003	0.0735	0.0220	0.0956	0.0201	0.0203	0.0404		320.1875	320.1875	2.5800e-003		320.2416
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	0.1289	1.3869	1.5905	4.5900e-003	0.1853	0.0232	0.2085	0.0498	0.0213	0.0711		447.3297	447.3297	9.8400e-003		447.5362

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					0.2964	0.0000	0.2964	0.0449	0.0000	0.0449			0.0000			0.0000
Off-Road	0.2661	5.9808	7.9564	0.0120		0.4023	0.4023		0.4023	0.4023	0.0000	1,200.6386	1,200.6386	0.2451		1,205.7861
Total	0.2661	5.9808	7.9564	0.0120	0.2964	0.4023	0.6987	0.0449	0.4023	0.4472	0.0000	1,200.6386	1,200.6386	0.2451		1,205.7861

3.2 Demolition - 2015

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	0.0795	1.3249	0.8259	3.1400e-003	0.0735	0.0220	0.0956	0.0201	0.0203	0.0404		320.1875	320.1875	2.5800e-003		320.2416
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	0.1289	1.3869	1.5905	4.5900e-003	0.1853	0.0232	0.2085	0.0498	0.0213	0.0711		447.3297	447.3297	9.8400e-003		447.5362

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					0.1273	0.0000	0.1273	0.0137	0.0000	0.0137			0.0000			0.0000
Off-Road	1.0667	10.7250	5.5547	7.0200e-003		0.6598	0.6598		0.6070	0.6070		738.4156	738.4156	0.2205		743.0450
Total	1.0667	10.7250	5.5547	7.0200e-003	0.1273	0.6598	0.7870	0.0137	0.6070	0.6207		738.4156	738.4156	0.2205		743.0450

3.3 Site Preparation - 2015**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	0.0493	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	0.0493	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

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					0.0496	0.0000	0.0496	5.3600e-003	0.0000	5.3600e-003			0.0000			0.0000
Off-Road	0.1702	3.4901	5.2481	7.0200e-003		0.1968	0.1968		0.1968	0.1968	0.0000	738.4156	738.4156	0.2205		743.0450
Total	0.1702	3.4901	5.2481	7.0200e-003	0.0496	0.1968	0.2465	5.3600e-003	0.1968	0.2022	0.0000	738.4156	738.4156	0.2205		743.0450

3.3 Site Preparation - 2015

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	0.0493	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	0.0493	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

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					0.7591	0.0000	0.7591	0.4145	0.0000	0.4145			0.0000			0.0000
Off-Road	2.0341	18.1764	10.8645	0.0125		1.3135	1.3135		1.2084	1.2084		1,310.4692	1,310.4692	0.3912		1,318.6850
Total	2.0341	18.1764	10.8645	0.0125	0.7591	1.3135	2.0726	0.4145	1.2084	1.6229		1,310.4692	1,310.4692	0.3912		1,318.6850

3.4 Grading - 2015

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	0.5306	8.8390	5.5096	0.0210	0.5606	0.1470	0.7077	0.1515	0.1353	0.2868		2,136.0996	2,136.0996	0.0172		2,136.4605
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	0.5799	8.9009	6.2742	0.0224	0.6724	0.1482	0.8206	0.1811	0.1363	0.3174		2,263.2418	2,263.2418	0.0244		2,263.7551

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					0.2961	0.0000	0.2961	0.1616	0.0000	0.1616			0.0000			0.0000
Off-Road	0.3068	6.5692	9.2128	0.0125		0.4024	0.4024		0.4024	0.4024	0.0000	1,310.4692	1,310.4692	0.3912		1,318.6850
Total	0.3068	6.5692	9.2128	0.0125	0.2961	0.4024	0.6984	0.1616	0.4024	0.5640	0.0000	1,310.4692	1,310.4692	0.3912		1,318.6850

3.4 Grading - 2015

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	0.5306	8.8390	5.5096	0.0210	0.5606	0.1470	0.7077	0.1515	0.1353	0.2868		2,136.0996	2,136.0996	0.0172		2,136.4605
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	0.5799	8.9009	6.2742	0.0224	0.6724	0.1482	0.8206	0.1811	0.1363	0.3174		2,263.2418	2,263.2418	0.0244		2,263.7551

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7591	0.0000	0.7591	0.4145	0.0000	0.4145			0.0000			0.0000
Off-Road	1.9454	17.3168	10.7280	0.0125		1.2455	1.2455		1.1459	1.1459		1,295.3598	1,295.3598	0.3907		1,303.5651
Total	1.9454	17.3168	10.7280	0.0125	0.7591	1.2455	2.0046	0.4145	1.1459	1.5603		1,295.3598	1,295.3598	0.3907		1,303.5651

3.4 Grading - 2016**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	0.4678	7.8040	5.0651	0.0210	2.4711	0.1167	2.5879	0.6205	0.1074	0.7278		2,112.5219	2,112.5219	0.0154		2,112.8462
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	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003		123.0426
Total	0.5124	7.8601	5.7588	0.0224	2.5829	0.1178	2.7007	0.6501	0.1084	0.7585		2,235.4240	2,235.4240	0.0221		2,235.8888

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					0.2961	0.0000	0.2961	0.1616	0.0000	0.1616			0.0000			0.0000
Off-Road	0.3068	6.5692	9.2128	0.0125		0.4024	0.4024		0.4024	0.4024	0.0000	1,295.3598	1,295.3598	0.3907		1,303.5651
Total	0.3068	6.5692	9.2128	0.0125	0.2961	0.4024	0.6984	0.1616	0.4024	0.5640	0.0000	1,295.3598	1,295.3598	0.3907		1,303.5651

3.4 Grading - 2016

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	0.4678	7.8040	5.0651	0.0210	2.4711	0.1167	2.5879	0.6205	0.1074	0.7278		2,112.5219	2,112.5219	0.0154		2,112.8462
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	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003		123.0426
Total	0.5124	7.8601	5.7588	0.0224	2.5829	0.1178	2.7007	0.6501	0.1084	0.7585		2,235.4240	2,235.4240	0.0221		2,235.8888

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	2.9517	17.2043	13.0104	0.0189		1.1842	1.1842		1.1438	1.1438		1,744.6259	1,744.6259	0.3915		1,752.8463
Total	2.9517	17.2043	13.0104	0.0189		1.1842	1.1842		1.1438	1.1438		1,744.6259	1,744.6259	0.3915		1,752.8463

3.5 Building Construction - 2016

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	0.0758	0.7876	0.9150	1.9800e-003	0.0561	0.0123	0.0684	0.0160	0.0113	0.0273		198.1986	198.1986	1.4500e-003			198.2291
Worker	0.2405	0.3027	3.7460	7.8500e-003	0.6036	5.7100e-003	0.6093	0.1601	5.2500e-003	0.1653		663.6715	663.6715	0.0361			664.4302
Total	0.3163	1.0903	4.6610	9.8300e-003	0.6597	0.0180	0.6777	0.1761	0.0166	0.1926		861.8700	861.8700	0.0376			862.6593

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.5709	10.6108	11.6633	0.0189		0.6518	0.6518		0.6518	0.6518	0.0000	1,744.6259	1,744.6259	0.3915			1,752.8463
Total	0.5709	10.6108	11.6633	0.0189		0.6518	0.6518		0.6518	0.6518	0.0000	1,744.6259	1,744.6259	0.3915			1,752.8463

3.5 Building Construction - 2016**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	0.0758	0.7876	0.9150	1.9800e-003	0.0561	0.0123	0.0684	0.0160	0.0113	0.0273		198.1986	198.1986	1.4500e-003		198.2291
Worker	0.2405	0.3027	3.7460	7.8500e-003	0.6036	5.7100e-003	0.6093	0.1601	5.2500e-003	0.1653		663.6715	663.6715	0.0361		664.4302
Total	0.3163	1.0903	4.6610	9.8300e-003	0.6597	0.0180	0.6777	0.1761	0.0166	0.1926		861.8700	861.8700	0.0376		862.6593

3.6 Paving - 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	0.9428	9.1717	5.9832	8.5900e-003		0.5940	0.5940		0.5474	0.5474		875.3305	875.3305	0.2565		880.7178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9428	9.1717	5.9832	8.5900e-003		0.5940	0.5940		0.5474	0.5474		875.3305	875.3305	0.2565		880.7178

3.6 Paving - 2016

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	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003			123.0426
Total	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003			123.0426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1981	4.2306	6.1067	8.5900e-003		0.2613	0.2613		0.2613	0.2613	0.0000	875.3305	875.3305	0.2565			880.7178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.1981	4.2306	6.1067	8.5900e-003		0.2613	0.2613		0.2613	0.2613	0.0000	875.3305	875.3305	0.2565			880.7178

3.6 Paving - 2016

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	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003		123.0426
Total	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003		123.0426

3.7 Architectural Coating - 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					
Archit. Coating	16.0510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	16.4194	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

3.7 Architectural Coating - 2016

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	0.0490	0.0617	0.7631	1.6000e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		135.1923	135.1923	7.3600e-003		135.3469
Total	0.0490	0.0617	0.7631	1.6000e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		135.1923	135.1923	7.3600e-003		135.3469

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.0510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332		282.1449
Total	16.1104	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332		282.1449

3.7 Architectural Coating - 2016

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	0.0490	0.0617	0.7631	1.6000e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		135.1923	135.1923	7.3600e-003		135.3469
Total	0.0490	0.0617	0.7631	1.6000e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		135.1923	135.1923	7.3600e-003		135.3469

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	16.0510					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	16.3833	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

3.7 Architectural Coating - 2017**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	0.0440	0.0558	0.6914	1.6000e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		130.1330	130.1330	6.8000e-003		130.2759
Total	0.0440	0.0558	0.6914	1.6000e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		130.1330	130.1330	6.8000e-003		130.2759

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.0510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721
Total	16.1104	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721

3.7 Architectural Coating - 2017

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	0.0440	0.0558	0.6914	1.6000e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		130.1330	130.1330	6.8000e-003		130.2759
Total	0.0440	0.0558	0.6914	1.6000e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		130.1330	130.1330	6.8000e-003		130.2759

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6005	4.2891	17.5968	0.0433	2.8256	0.0626	2.8881	0.7556	0.0576	0.8132		3,698.6670	3,698.6670	0.1477		3,701.7682
Unmitigated	1.7111	5.0524	20.4328	0.0523	3.4262	0.0751	3.5013	0.9162	0.0691	0.9853		4,462.1559	4,462.1559	0.1762		4,465.8564

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	472.15	472.15	472.15	1,613,408	1,330,570
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	472.15	472.15	472.15	1,613,408	1,330,570

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	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

2.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0137	0.1174	0.0514	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003		149.5696	149.5696	2.8700e-003	2.7400e-003	150.4799
NaturalGas Unmitigated	0.0155	0.1327	0.0580	8.5000e-004		0.0107	0.0107		0.0107	0.0107		169.0597	169.0597	3.2400e-003	3.1000e-003	170.0885

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 with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Health Club	39.2176	4.2000e-004	3.8400e-003	3.2300e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		4.6138	4.6138	9.0000e-005	8.0000e-005	4.6419		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Apartments Mid Rise	1397.79	0.0151	0.1288	0.0548	8.2000e-004		0.0104	0.0104		0.0104	0.0104		164.4458	164.4458	3.1500e-003	3.0100e-003	165.4466		
Total		0.0155	0.1327	0.0581	8.4000e-004		0.0107	0.0107		0.0107	0.0107		169.0597	169.0597	3.2400e-003	3.0900e-003	170.0885		

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Health Club	0.0347266	3.7000e-004	3.4000e-003	2.8600e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0855	4.0855	8.0000e-005	7.0000e-005	4.1104
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	1.23662	0.0133	0.1140	0.0485	7.3000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003		145.4841	145.4841	2.7900e-003	2.6700e-003	146.3695
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0137	0.1174	0.0514	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003		149.5696	149.5696	2.8700e-003	2.7400e-003	150.4799

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- 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	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156
Unmitigated	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156

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	0.2639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6987					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	0.1862	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322		10.5907	10.5907	0.0107		10.8156
Total	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6987					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	0.1862	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322		10.5907	10.5907	0.0107		10.8156
Total	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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

Enclave Multifamily Residential Project 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 with Elevator	162.00	Space	0.00	0.00	0
Other Asphalt Surfaces	36.00	1000sqft	0.00	36,000.00	0
Health Club	0.76	1000sqft	0.00	761.00	0
Apartments Mid Rise	71.00	Dwelling Unit	0.72	99,539.00	185

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2017
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MW hr)	1115.33	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 - Lot acreage, floor area per Conceptual Plan. Population is 2.6 res per unit

Construction Phase - Construction assumptions

Off-road Equipment -

Off-road Equipment - Construction assumptions

Off-road Equipment -

Off-road Equipment - Construction assumptions

Off-road Equipment - Construction assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Hauling length is average distance to Chiquita and Manning Landfills. Changed #worker trips from 0 to 10

Demolition -

Grading - Per site plan

Vehicle Trips - Rates from Traffic Memo. Health club is for residents and would not generate additional trips to Project Site

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No woodstoves or fireplaces

Water And Wastewater - Indoor water use includes landscaping, fitness center. See Section 4.9 Utilities

Solid Waste - See Section 4.9, Utilities for calculation

Construction Off-road Equipment Mitigation - Tier 3 engines required by CARB

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	100.00	230.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	NumDays	2.00	120.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	60.35	0.00
tblFireplaces	NumberNoFireplace	7.10	0.00
tblFireplaces	NumberWood	3.55	0.00
tblGrading	AcresOfGrading	60.00	0.72
tblGrading	AcresOfGrading	2.25	0.72
tblGrading	MaterialExported	0.00	28,500.00
tblLandUse	LandUseSquareFeet	64,800.00	0.00
tblLandUse	LandUseSquareFeet	760.00	761.00
tblLandUse	LandUseSquareFeet	71,000.00	99,539.00
tblLandUse	LotAcreage	1.46	0.00
tblLandUse	LotAcreage	0.83	0.00
tblLandUse	LotAcreage	0.02	0.00
tblLandUse	LotAcreage	1.87	0.72
tblLandUse	Population	203.00	185.00
tblOffRoadEquipment	HorsePower	174.00	81.00
tblOffRoadEquipment	HorsePower	130.00	97.00
tblOffRoadEquipment	LoadFactor	0.41	0.73
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	32.66	25.16
tblSolidWaste	SolidWasteGenerationRate	4.33	0.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	64.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00

tblVehicleTrips	PR_TP	52.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	20.87	0.00
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tblVehicleTrips	SU_TR	26.73	0.00
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tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	4,625,935.82	4,071,575.00
tblWater	IndoorWaterUseRate	44,948.79	0.00
tblWater	OutdoorWaterUseRate	2,916,350.84	0.00
tblWater	OutdoorWaterUseRate	27,549.26	0.00
tblWoodstoves	NumberCatalytic	3.55	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	2.6455	27.4009	17.8339	0.0348	1.4315	1.4621	2.8936	0.5956	1.3451	1.9407	0.0000	3,562.395 5	3,562.395 5	0.4158	0.0000	3,571.128 3
2016	16.4704	25.4624	17.6418	0.0347	3.3420	1.3635	4.7056	1.0646	1.2544	2.3190	0.0000	3,519.735 2	3,519.735 2	0.4291	0.0000	3,528.745 8
2017	16.4290	2.2469	2.5146	4.4800e- 003	0.1230	0.1745	0.2974	0.0326	0.1744	0.2070	0.0000	404.2669	404.2669	0.0365	0.0000	405.0338
Total	35.5448	55.1101	37.9904	0.0740	4.8965	3.0000	7.8966	1.6928	2.7738	4.4666	0.0000	7,486.397 7	7,486.397 7	0.8814	0.0000	7,504.907 8

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	0.9182	15.7936	16.1822	0.0348	0.9685	0.5510	1.5194	0.3428	0.5391	0.8818	0.0000	3,562.395 5	3,562.395 5	0.4158	0.0000	3,571.128 3
2016	16.1614	14.7147	16.2947	0.0347	2.8790	0.6699	3.3994	0.8117	0.6685	1.3227	0.0000	3,519.735 2	3,519.735 2	0.4291	0.0000	3,528.745 8
2017	16.1561	1.4188	2.4790	4.4800e- 003	0.1230	0.0962	0.2192	0.0326	0.0961	0.1287	0.0000	404.2669	404.2669	0.0365	0.0000	405.0338
Total	33.2357	31.9272	34.9559	0.0740	3.9704	1.3171	5.1380	1.1871	1.3036	2.3332	0.0000	7,486.397 7	7,486.397 7	0.8814	0.0000	7,504.907 8

	ROG	NOx	CO	SO2	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	6.50	42.07	7.99	0.00	18.91	56.10	34.93	29.87	53.00	47.76	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	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156
Energy	0.0155	0.1327	0.0580	8.5000e-004		0.0107	0.0107		0.0107	0.0107		169.0597	169.0597	3.2400e-003	3.1000e-003	170.0885
Mobile	1.7914	5.3263	20.3620	0.0499	3.4262	0.0754	3.5015	0.9162	0.0694	0.9855		4,267.905 1	4,267.905 1	0.1764		4,271.608 4
Total	4.9557	5.5281	26.3573	0.0511	3.4262	0.1183	3.5445	0.9162	0.1123	1.0284	0.0000	4,447.555 5	4,447.555 5	0.1903	3.1000e-003	4,452.512 5

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	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156
Energy	0.0137	0.1174	0.0514	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003		149.5696	149.5696	2.8700e-003	2.7400e-003	150.4799
Mobile	1.6838	4.5163	17.7686	0.0414	2.8256	0.0629	2.8884	0.7556	0.0579	0.8134		3,537.700 9	3,537.700 9	0.1478		3,540.805 0
Total	4.8463	4.7028	23.7572	0.0424	2.8256	0.1045	2.9301	0.7556	0.0995	0.8551	0.0000	3,697.861 3	3,697.861 3	0.1614	2.7400e-003	3,702.100 5

	ROG	NOx	CO	SO2	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	2.21	14.93	9.86	16.90	17.53	11.62	17.33	17.53	11.36	16.86	0.00	16.86	16.86	15.19	11.61	16.85

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	8/4/2015	5	25	
2	Site Preparation	Site Preparation	8/5/2015	8/12/2015	5	6	
3	Grading	Grading	8/13/2015	1/27/2016	5	120	
4	Building Construction	Building Construction	1/28/2016	12/14/2016	5	230	
5	Paving	Paving	12/15/2016	12/28/2016	5	10	
6	Architectural Coating	Architectural Coating	12/29/2016	3/22/2017	5	60	

Acres of Grading (Site Preparation Phase): 0.72

Acres of Grading (Grading Phase): 0.72

Acres of Paving: 0

Residential Indoor: 201,566; Residential Outdoor: 67,189; Non-Residential Indoor: 11,942; Non-Residential Outdoor: 3,981 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Excavators	1	6.00	162	0.38
Grading	Graders	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	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	7.00	97	0.37
Paving	Rollers	1	6.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	88.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	2,818.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	54.00	9.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved 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					0.7599	0.0000	0.7599	0.1151	0.0000	0.1151			0.0000			0.0000
Off-Road	1.4120	11.9409	8.8138	0.0120		0.8748	0.8748		0.8359	0.8359		1,200.6386	1,200.6386	0.2451		1,205.7861
Total	1.4120	11.9409	8.8138	0.0120	0.7599	0.8748	1.6347	0.1151	0.8359	0.9509		1,200.6386	1,200.6386	0.2451		1,205.7861

3.2 Demolition - 2015

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	0.0839	1.3724	0.9367	3.1400e-003	0.0735	0.0221	0.0956	0.0201	0.0203	0.0405		319.5604	319.5604	2.6000e-003		319.6150
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	0.1353	1.4411	1.6571	4.5100e-003	0.1853	0.0232	0.2085	0.0498	0.0214	0.0711		439.5711	439.5711	9.8600e-003		439.7782

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					0.2964	0.0000	0.2964	0.0449	0.0000	0.0449			0.0000			0.0000
Off-Road	0.2661	5.9808	7.9564	0.0120		0.4023	0.4023		0.4023	0.4023	0.0000	1,200.6386	1,200.6386	0.2451		1,205.7861
Total	0.2661	5.9808	7.9564	0.0120	0.2964	0.4023	0.6987	0.0449	0.4023	0.4472	0.0000	1,200.6386	1,200.6386	0.2451		1,205.7861

3.2 Demolition - 2015

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	0.0839	1.3724	0.9367	3.1400e-003	0.0735	0.0221	0.0956	0.0201	0.0203	0.0405		319.5604	319.5604	2.6000e-003		319.6150
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	0.1353	1.4411	1.6571	4.5100e-003	0.1853	0.0232	0.2085	0.0498	0.0214	0.0711		439.5711	439.5711	9.8600e-003		439.7782

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					0.1273	0.0000	0.1273	0.0137	0.0000	0.0137			0.0000			0.0000
Off-Road	1.0667	10.7250	5.5547	7.0200e-003		0.6598	0.6598		0.6070	0.6070		738.4156	738.4156	0.2205		743.0450
Total	1.0667	10.7250	5.5547	7.0200e-003	0.1273	0.6598	0.7870	0.0137	0.6070	0.6207		738.4156	738.4156	0.2205		743.0450

3.3 Site Preparation - 2015**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	0.0514	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	0.0514	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

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					0.0496	0.0000	0.0496	5.3600e-003	0.0000	5.3600e-003			0.0000			0.0000
Off-Road	0.1702	3.4901	5.2481	7.0200e-003		0.1968	0.1968		0.1968	0.1968	0.0000	738.4156	738.4156	0.2205		743.0450
Total	0.1702	3.4901	5.2481	7.0200e-003	0.0496	0.1968	0.2465	5.3600e-003	0.1968	0.2022	0.0000	738.4156	738.4156	0.2205		743.0450

3.3 Site Preparation - 2015

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	0.0514	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	0.0514	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

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					0.7591	0.0000	0.7591	0.4145	0.0000	0.4145			0.0000				0.0000
Off-Road	2.0341	18.1764	10.8645	0.0125		1.3135	1.3135		1.2084	1.2084		1,310.4692	1,310.4692	0.3912			1,318.6850
Total	2.0341	18.1764	10.8645	0.0125	0.7591	1.3135	2.0726	0.4145	1.2084	1.6229		1,310.4692	1,310.4692	0.3912			1,318.6850

3.4 Grading - 2015

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	0.5600	9.1557	6.2490	0.0209	0.5606	0.1475	0.7081	0.1515	0.1357	0.2872		2,131.9156	2,131.9156	0.0174		2,132.2801
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	0.6114	9.2245	6.9694	0.0223	0.6724	0.1486	0.8210	0.1811	0.1367	0.3178		2,251.9263	2,251.9263	0.0246		2,252.4432

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					0.2961	0.0000	0.2961	0.1616	0.0000	0.1616			0.0000			0.0000
Off-Road	0.3068	6.5692	9.2128	0.0125		0.4024	0.4024		0.4024	0.4024	0.0000	1,310.4692	1,310.4692	0.3912		1,318.6850
Total	0.3068	6.5692	9.2128	0.0125	0.2961	0.4024	0.6984	0.1616	0.4024	0.5640	0.0000	1,310.4692	1,310.4692	0.3912		1,318.6850

3.4 Grading - 2015**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	0.5600	9.1557	6.2490	0.0209	0.5606	0.1475	0.7081	0.1515	0.1357	0.2872		2,131.9156	2,131.9156	0.0174		2,132.2801
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	0.6114	9.2245	6.9694	0.0223	0.6724	0.1486	0.8210	0.1811	0.1367	0.3178		2,251.9263	2,251.9263	0.0246		2,252.4432

3.4 Grading - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7591	0.0000	0.7591	0.4145	0.0000	0.4145			0.0000			0.0000
Off-Road	1.9454	17.3168	10.7280	0.0125		1.2455	1.2455		1.1459	1.1459		1,295.3598	1,295.3598	0.3907		1,303.5651
Total	1.9454	17.3168	10.7280	0.0125	0.7591	1.2455	2.0046	0.4145	1.1459	1.5603		1,295.3598	1,295.3598	0.3907		1,303.5651

3.4 Grading - 2016**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	0.4921	8.0834	5.8049	0.0209	2.4711	0.1170	2.5881	0.6205	0.1076	0.7281		2,108.3723	2,108.3723	0.0156		2,108.7001
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	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003		116.1436
Total	0.5385	8.1456	6.4562	0.0223	2.5829	0.1180	2.7009	0.6501	0.1086	0.7587		2,224.3754	2,224.3754	0.0223		2,224.8437

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					0.2961	0.0000	0.2961	0.1616	0.0000	0.1616			0.0000			0.0000
Off-Road	0.3068	6.5692	9.2128	0.0125		0.4024	0.4024		0.4024	0.4024	0.0000	1,295.3598	1,295.3598	0.3907		1,303.5651
Total	0.3068	6.5692	9.2128	0.0125	0.2961	0.4024	0.6984	0.1616	0.4024	0.5640	0.0000	1,295.3598	1,295.3598	0.3907		1,303.5651

3.4 Grading - 2016

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	0.4921	8.0834	5.8049	0.0209	2.4711	0.1170	2.5881	0.6205	0.1076	0.7281		2,108.372 3	2,108.372 3	0.0156		2,108.700 1
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	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003		116.1436
Total	0.5385	8.1456	6.4562	0.0223	2.5829	0.1180	2.7009	0.6501	0.1086	0.7587		2,224.375 4	2,224.375 4	0.0223		2,224.843 7

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	2.9517	17.2043	13.0104	0.0189		1.1842	1.1842		1.1438	1.1438		1,744.625 9	1,744.625 9	0.3915		1,752.846 3
Total	2.9517	17.2043	13.0104	0.0189		1.1842	1.1842		1.1438	1.1438		1,744.625 9	1,744.625 9	0.3915		1,752.846 3

3.5 Building Construction - 2016

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	0.0837	0.8074	1.1140	1.9600e-003	0.0561	0.0124	0.0686	0.0160	0.0114	0.0274		196.5529	196.5529	1.5000e-003			196.5843
Worker	0.2502	0.3357	3.5174	7.4100e-003	0.6036	5.7100e-003	0.6093	0.1601	5.2500e-003	0.1653		626.4168	626.4168	0.0361			627.1755
Total	0.3339	1.1430	4.6315	9.3700e-003	0.6597	0.0182	0.6779	0.1761	0.0167	0.1927		822.9697	822.9697	0.0376			823.7598

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.5709	10.6108	11.6633	0.0189		0.6518	0.6518		0.6518	0.6518	0.0000	1,744.6259	1,744.6259	0.3915			1,752.8463
Total	0.5709	10.6108	11.6633	0.0189		0.6518	0.6518		0.6518	0.6518	0.0000	1,744.6259	1,744.6259	0.3915			1,752.8463

3.5 Building Construction - 2016

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	0.0837	0.8074	1.1140	1.9600e-003	0.0561	0.0124	0.0686	0.0160	0.0114	0.0274		196.5529	196.5529	1.5000e-003			196.5843
Worker	0.2502	0.3357	3.5174	7.4100e-003	0.6036	5.7100e-003	0.6093	0.1601	5.2500e-003	0.1653		626.4168	626.4168	0.0361			627.1755
Total	0.3339	1.1430	4.6315	9.3700e-003	0.6597	0.0182	0.6779	0.1761	0.0167	0.1927		822.9697	822.9697	0.0376			823.7598

3.6 Paving - 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	0.9428	9.1717	5.9832	8.5900e-003		0.5940	0.5940		0.5474	0.5474		875.3305	875.3305	0.2565			880.7178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9428	9.1717	5.9832	8.5900e-003		0.5940	0.5940		0.5474	0.5474		875.3305	875.3305	0.2565			880.7178

3.6 Paving - 2016

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	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003			116.1436
Total	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003			116.1436

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.1981	4.2306	6.1067	8.5900e-003		0.2613	0.2613		0.2613	0.2613	0.0000	875.3305	875.3305	0.2565			880.7178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.1981	4.2306	6.1067	8.5900e-003		0.2613	0.2613		0.2613	0.2613	0.0000	875.3305	875.3305	0.2565			880.7178

3.6 Paving - 2016

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	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003		116.1436
Total	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003		116.1436

3.7 Architectural Coating - 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					
Archit. Coating	16.0510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	16.4194	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

3.7 Architectural Coating - 2016

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	0.0510	0.0684	0.7165	1.5100e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		127.6034	127.6034	7.3600e-003			127.7580
Total	0.0510	0.0684	0.7165	1.5100e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		127.6034	127.6034	7.3600e-003			127.7580

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	16.0510					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449
Total	16.1104	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449

3.7 Architectural Coating - 2016

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	0.0510	0.0684	0.7165	1.5100e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		127.6034	127.6034	7.3600e-003			127.7580
Total	0.0510	0.0684	0.7165	1.5100e-003	0.1230	1.1600e-003	0.1241	0.0326	1.0700e-003	0.0337		127.6034	127.6034	7.3600e-003			127.7580

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	16.0510					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	16.3833	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.7 Architectural Coating - 2017

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	0.0457	0.0618	0.6466	1.5100e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		122.8189	122.8189	6.8000e-003			122.9617
Total	0.0457	0.0618	0.6466	1.5100e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		122.8189	122.8189	6.8000e-003			122.9617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	16.0510					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297			282.0721
Total	16.1104	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297			282.0721

3.7 Architectural Coating - 2017

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	0.0457	0.0618	0.6466	1.5100e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		122.8189	122.8189	6.8000e-003		122.9617
Total	0.0457	0.0618	0.6466	1.5100e-003	0.1230	1.1100e-003	0.1241	0.0326	1.0300e-003	0.0336		122.8189	122.8189	6.8000e-003		122.9617

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6838	4.5163	17.7686	0.0414	2.8256	0.0629	2.8884	0.7556	0.0579	0.8134		3,537.7009	3,537.7009	0.1478		3,540.8050
Unmitigated	1.7914	5.3263	20.3620	0.0499	3.4262	0.0754	3.5015	0.9162	0.0694	0.9855		4,267.9051	4,267.9051	0.1764		4,271.6084

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	472.15	472.15	472.15	1,613,408	1,330,570
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	472.15	472.15	472.15	1,613,408	1,330,570

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	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

2.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0137	0.1174	0.0514	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003		149.5696	149.5696	2.8700e-003	2.7400e-003	150.4799
NaturalGas Unmitigated	0.0155	0.1327	0.0580	8.5000e-004		0.0107	0.0107		0.0107	0.0107		169.0597	169.0597	3.2400e-003	3.1000e-003	170.0885

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 with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	39.2176	4.2000e-004	3.8400e-003	3.2300e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		4.6138	4.6138	9.0000e-005	8.0000e-005	4.6419
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	1397.79	0.0151	0.1288	0.0548	8.2000e-004		0.0104	0.0104		0.0104	0.0104		164.4458	164.4458	3.1500e-003	3.0100e-003	165.4466
Total		0.0155	0.1327	0.0581	8.4000e-004		0.0107	0.0107		0.0107	0.0107		169.0597	169.0597	3.2400e-003	3.0900e-003	170.0885

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Health Club	0.0347266	3.7000e-004	3.4000e-003	2.8600e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0855	4.0855	8.0000e-005	7.0000e-005	4.1104
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	1.23662	0.0133	0.1140	0.0485	7.3000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003		145.4841	145.4841	2.7900e-003	2.6700e-003	146.3695
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0137	0.1174	0.0514	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003		149.5696	149.5696	2.8700e-003	2.7400e-003	150.4799

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- 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	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156
Unmitigated	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156

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	0.2639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6987					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	0.1862	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322		10.5907	10.5907	0.0107		10.8156
Total	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6987					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	0.1862	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322		10.5907	10.5907	0.0107		10.8156
Total	3.1488	0.0692	5.9373	3.1000e-004		0.0322	0.0322		0.0322	0.0322	0.0000	10.5907	10.5907	0.0107	0.0000	10.8156

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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
