

Tuscany Meadows - CONSTRUCTION ONLY
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	24.33	Dwelling Unit	0.97	24,330.00	70
Single Family Housing	61.13	Dwelling Unit	9.04	110,034.00	175

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - FOR CONSTRUCTION EMISSIONS ONLY - land uses based on development per one phase (approx. 15 phases anticipated total)

Construction Phase - CONSTRUCTION EMISSIONS ONLY - per one phase (approx. 15 phases anticipated total)

Grading - CONSTRUCTION EMISSIONS PER ONE PHASE ONLY (approx. 15 phases anticipated total) - approx. 10 acres disturbed per phase based on information from applicant

Architectural Coating - project required to comply with BAAQMD rules and regulations

Vehicle Trips - THIS RUN IS FOR CONSTRUCTION EMISSIONS ONLY - PLEASE REFER TO CALEEMOD RESULTS LABELED "Tuscany Meadows - Operational (UNMITIGATED)" and "Tuscany Meadows - Operational (MITIGATED)" for project operational emissions

Woodstoves - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Energy Use - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Water And Wastewater - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Solid Waste - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblConstructionPhase	NumDays	20.00	162.00
tblConstructionPhase	NumDays	300.00	162.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	9/29/2016	3/1/2016
tblConstructionPhase	PhaseStartDate	2/17/2016	7/19/2015
tblConstructionPhase	PhaseStartDate	7/4/2015	7/5/2015
tblConstructionPhase	PhaseStartDate	5/23/2015	5/24/2015
tblGrading	AcresOfGrading	150.00	10.00
tblLandUse	LotAcreage	1.52	0.97
tblLandUse	LotAcreage	19.85	9.04
tblProjectCharacteristics	OperationalYear	2014	2030
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 4

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	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2015	5/22/2015	5	60	
2	Paving	Paving	5/24/2015	7/3/2015	5	30	
3	Building Construction	Building Construction	7/5/2015	2/16/2016	5	162	
4	Architectural Coating	Architectural Coating	7/19/2015	3/1/2016	5	162	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 272,087; Residential Outdoor: 90,696; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	40.00	9.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	6.7751	79.0467	50.8400	0.0618	6.1988	3.8022	10.0010	3.3293	3.4980	6.8273		6,486.2433	6,486.2433	1.9364		6,526.9080

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	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110		202.0669
Total	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110		202.0669

3.2 Grading - 2015

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					2.7895	0.0000	2.7895	1.4982	0.0000	1.4982			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080
Total	6.7751	79.0467	50.8400	0.0618	2.7895	3.8022	6.5917	1.4982	3.4980	4.9962	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080

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	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110		202.0669
Total	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110		202.0669

3.3 Paving - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.898 4	2,339.898 4	0.6986		2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.898 4	2,339.898 4	0.6986		2,354.568 1

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	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003		151.5501
Total	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003		151.5501

3.3 Paving - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1

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	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003		151.5501
Total	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003		151.5501

3.4 Building Construction - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3

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	0.1142	1.0026	1.1327	2.1500e-003	0.0598	0.0167	0.0766	0.0171	0.0154	0.0325		217.7643	217.7643	1.9300e-003		217.8049
Worker	0.1805	0.2169	2.5316	4.6400e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		403.6731	403.6731	0.0219		404.1337
Total	0.2948	1.2195	3.6643	6.7900e-003	0.4370	0.0200	0.4570	0.1171	0.0183	0.1355		621.4374	621.4374	0.0239		621.9386

3.4 Building Construction - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3

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	0.1142	1.0026	1.1327	2.1500e-003	0.0598	0.0167	0.0766	0.0171	0.0154	0.0325		217.7643	217.7643	1.9300e-003		217.8049
Worker	0.1805	0.2169	2.5316	4.6400e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		403.6731	403.6731	0.0219		404.1337
Total	0.2948	1.2195	3.6643	6.7900e-003	0.4370	0.0200	0.4570	0.1171	0.0183	0.1355		621.4374	621.4374	0.0239		621.9386

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

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	0.1018	0.8722	1.0407	2.1500e-003	0.0598	0.0134	0.0732	0.0171	0.0123	0.0294		215.2378	215.2378	1.7100e-003		215.2736
Worker	0.1623	0.1943	2.2704	4.6400e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		389.8892	389.8892	0.0200		390.3091
Total	0.2640	1.0665	3.3111	6.7900e-003	0.4370	0.0164	0.4535	0.1171	0.0151	0.1322		605.1269	605.1269	0.0217		605.5826

3.4 Building Construction - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

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	0.1018	0.8722	1.0407	2.1500e-003	0.0598	0.0134	0.0732	0.0171	0.0123	0.0294		215.2378	215.2378	1.7100e-003		215.2736
Worker	0.1623	0.1943	2.2704	4.6400e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		389.8892	389.8892	0.0200		390.3091
Total	0.2640	1.0665	3.3111	6.7900e-003	0.4370	0.0164	0.4535	0.1171	0.0151	0.1322		605.1269	605.1269	0.0217		605.5826

3.5 Architectural Coating - 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					
Archit. Coating	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	10.7862	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

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	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003		80.8267
Total	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003		80.8267

3.5 Architectural Coating - 2015

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	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177
Total	10.7862	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177

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	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003		80.8267
Total	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003		80.8267

3.5 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	10.3796					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	10.7481	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

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	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003		78.0618
Total	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003		78.0618

3.5 Architectural Coating - 2016

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	10.3796					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	0.0000	281.4481	281.4481	0.0332			282.1449
Total	10.7481	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449

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	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003			78.0618
Total	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003			78.0618

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
NaturalGas Unmitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	718.666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Single Family Housing	5909.17	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.718666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Single Family Housing	5.90917	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985
Unmitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - CONSTRUCTION ONLY
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	24.33	Dwelling Unit	0.97	24,330.00	70
Single Family Housing	61.13	Dwelling Unit	9.04	110,034.00	175

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - FOR CONSTRUCTION EMISSIONS ONLY - land uses based on development per one phase (approx. 15 phases anticipated total)

Construction Phase - CONSTRUCTION EMISSIONS ONLY - per one phase (approx. 15 phases anticipated total)

Grading - CONSTRUCTION EMISSIONS PER ONE PHASE ONLY (approx. 15 phases anticipated total) - approx. 10 acres disturbed per phase based on information from applicant

Architectural Coating - project required to comply with BAAQMD rules and regulations

Vehicle Trips - THIS RUN IS FOR CONSTRUCTION EMISSIONS ONLY - PLEASE REFER TO CALEEMOD RESULTS LABELED "Tuscany Meadows - Operational (UNMITIGATED)" and "Tuscany Meadows - Operational (MITIGATED)" for project operational emissions

Woodstoves - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Energy Use - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Water And Wastewater - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Solid Waste - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblConstructionPhase	NumDays	20.00	162.00
tblConstructionPhase	NumDays	300.00	162.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	9/29/2016	3/1/2016
tblConstructionPhase	PhaseStartDate	2/17/2016	7/19/2015
tblConstructionPhase	PhaseStartDate	7/4/2015	7/5/2015
tblConstructionPhase	PhaseStartDate	5/23/2015	5/24/2015
tblGrading	AcresOfGrading	150.00	10.00
tblLandUse	LotAcreage	1.52	0.97
tblLandUse	LotAcreage	19.85	9.04
tblProjectCharacteristics	OperationalYear	2014	2030
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 4

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	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2015	5/22/2015	5	60	
2	Paving	Paving	5/24/2015	7/3/2015	5	30	
3	Building Construction	Building Construction	7/5/2015	2/16/2016	5	162	
4	Architectural Coating	Architectural Coating	7/19/2015	3/1/2016	5	162	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 272,087; Residential Outdoor: 90,696; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	40.00	9.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	6.7751	79.0467	50.8400	0.0618	6.1988	3.8022	10.0010	3.3293	3.4980	6.8273		6,486.2433	6,486.2433	1.9364		6,526.9080

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	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110		186.4822
Total	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110		186.4822

3.2 Grading - 2015

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					2.7895	0.0000	2.7895	1.4982	0.0000	1.4982			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080
Total	6.7751	79.0467	50.8400	0.0618	2.7895	3.8022	6.5917	1.4982	3.4980	4.9962	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080

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	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110		186.4822
Total	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110		186.4822

3.3 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.898 4	2,339.898 4	0.6986		2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.898 4	2,339.898 4	0.6986		2,354.568 1

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	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003		139.8617
Total	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003		139.8617

3.3 Paving - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1

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	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003		139.8617
Total	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003		139.8617

3.4 Building Construction - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3

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	0.1452	1.0502	1.7177	2.1400e-003	0.0598	0.0169	0.0768	0.0171	0.0156	0.0327		216.1081	216.1081	1.9800e-003		216.1496
Worker	0.1828	0.2682	2.4915	4.2900e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		372.5038	372.5038	0.0219		372.9644
Total	0.3280	1.3185	4.2092	6.4300e-003	0.4370	0.0202	0.4572	0.1171	0.0185	0.1356		588.6119	588.6119	0.0239		589.1140

3.4 Building Construction - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3

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	0.1452	1.0502	1.7177	2.1400e-003	0.0598	0.0169	0.0768	0.0171	0.0156	0.0327		216.1081	216.1081	1.9800e-003		216.1496
Worker	0.1828	0.2682	2.4915	4.2900e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		372.5038	372.5038	0.0219		372.9644
Total	0.3280	1.3185	4.2092	6.4300e-003	0.4370	0.0202	0.4572	0.1171	0.0185	0.1356		588.6119	588.6119	0.0239		589.1140

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

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	0.1291	0.9132	1.6154	2.1400e-003	0.0598	0.0135	0.0734	0.0171	0.0124	0.0295		213.5919	213.5919	1.7500e-003		213.6286
Worker	0.1631	0.2404	2.2188	4.2800e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		359.7440	359.7440	0.0200		360.1639
Total	0.2923	1.1536	3.8341	6.4200e-003	0.4370	0.0166	0.4536	0.1171	0.0152	0.1324		573.3358	573.3358	0.0218		573.7924

3.4 Building Construction - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

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	0.1291	0.9132	1.6154	2.1400e-003	0.0598	0.0135	0.0734	0.0171	0.0124	0.0295		213.5919	213.5919	1.7500e-003		213.6286
Worker	0.1631	0.2404	2.2188	4.2800e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		359.7440	359.7440	0.0200		360.1639
Total	0.2923	1.1536	3.8341	6.4200e-003	0.4370	0.0166	0.4536	0.1171	0.0152	0.1324		573.3358	573.3358	0.0218		573.7924

3.5 Architectural Coating - 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					
Archit. Coating	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	10.7862	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

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	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003		74.5929
Total	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003		74.5929

3.5 Architectural Coating - 2015

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	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177
Total	10.7862	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177

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	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003		74.5929
Total	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003		74.5929

3.5 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	10.3796					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	10.7481	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

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	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003		72.0328
Total	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003		72.0328

3.5 Architectural Coating - 2016

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	10.3796					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	0.0000	281.4481	281.4481	0.0332		282.1449
Total	10.7481	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

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	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003		72.0328
Total	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003		72.0328

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
NaturalGas Unmitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909

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					
Single Family Housing	5909.17	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Apartments Low Rise	718.666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.718666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Single Family Housing	5.90917	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985
Unmitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - CONSTRUCTION ONLY (MITIGATED)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	24.33	Dwelling Unit	0.97	24,330.00	70
Single Family Housing	61.13	Dwelling Unit	9.04	110,034.00	175

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - FOR CONSTRUCTION EMISSIONS ONLY - land uses based on development per one phase (approx. 15 phases anticipated total)

Construction Phase - CONSTRUCTION EMISSIONS ONLY - per one phase (approx. 15 phases anticipated total)

Grading - CONSTRUCTION EMISSIONS PER ONE PHASE ONLY (approx. 15 phases anticipated total) - approx. 10 acres disturbed per phase based on information from applicant

Architectural Coating - project required to comply with BAAQMD rules and regulations

Vehicle Trips - THIS RUN IS FOR CONSTRUCTION EMISSIONS ONLY - PLEASE REFER TO CALEEMOD RESULTS LABELED "Tuscany Meadows - Operational (UNMITIGATED)" and "Tuscany Meadows - Operational (MITIGATED)" for project operational emissions

Woodstoves - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Energy Use - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Water And Wastewater - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Solid Waste - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Construction Off-road Equipment Mitigation - mitigations applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	162.00
tblConstructionPhase	NumDays	300.00	162.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	9/29/2016	3/1/2016
tblConstructionPhase	PhaseStartDate	2/17/2016	7/19/2015
tblConstructionPhase	PhaseStartDate	7/4/2015	7/5/2015
tblConstructionPhase	PhaseStartDate	5/23/2015	5/24/2015
tblGrading	AcresOfGrading	150.00	10.00
tblLandUse	LotAcreage	1.52	0.97
tblLandUse	LotAcreage	19.85	9.04
tblProjectCharacteristics	OperationalYear	2014	2030
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00

tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 4

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	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2015	5/22/2015	5	60	
2	Paving	Paving	5/24/2015	7/3/2015	5	30	
3	Building Construction	Building Construction	7/5/2015	2/16/2016	5	162	
4	Architectural Coating	Architectural Coating	7/19/2015	3/1/2016	5	162	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 272,087; Residential Outdoor: 90,696; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	40.00	9.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	6.1988	3.8022	10.0010	3.3293	3.4980	6.8273		6,486.243 3	6,486.243 3	1.9364		6,526.908 0

3.2 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	0.0000	0.0000	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	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110			202.0669
Total	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110			202.0669

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					2.7895	0.0000	2.7895	1.4982	0.0000	1.4982			0.0000			0.0000	
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	6,486.2433	6,486.2433	1.9364			6,526.9080
Total	1.8922	50.9465	37.9432	0.0618	2.7895	1.3783	4.1677	1.4982	1.3783	2.8765	0.0000	6,486.2433	6,486.2433	1.9364			6,526.9080

3.2 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	0.0000	0.0000	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	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110			202.0669
Total	0.0903	0.1084	1.2658	2.3200e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		201.8366	201.8366	0.0110			202.0669

3.3 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986			2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986			2,354.5681

3.3 Paving - 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	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003			151.5501
Total	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003			151.5501

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,339.8984	2,339.8984	0.6986			2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,339.8984	2,339.8984	0.6986			2,354.5681

3.3 Paving - 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	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003			151.5501
Total	0.0677	0.0813	0.9494	1.7400e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		151.3774	151.3774	8.2300e-003			151.5501

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748			2,703.7483
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748			2,703.7483

3.4 Building Construction - 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	0.1142	1.0026	1.1327	2.1500e-003	0.0598	0.0167	0.0766	0.0171	0.0154	0.0325		217.7643	217.7643	1.9300e-003			217.8049
Worker	0.1805	0.2169	2.5316	4.6400e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		403.6731	403.6731	0.0219			404.1337
Total	0.2948	1.2195	3.6643	6.7900e-003	0.4370	0.0200	0.4570	0.1171	0.0183	0.1355		621.4374	621.4374	0.0239			621.9386

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	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,689.5771	2,689.5771	0.6748			2,703.7483
Total	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,689.5771	2,689.5771	0.6748			2,703.7483

3.4 Building Construction - 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	0.1142	1.0026	1.1327	2.1500e-003	0.0598	0.0167	0.0766	0.0171	0.0154	0.0325		217.7643	217.7643	1.9300e-003			217.8049
Worker	0.1805	0.2169	2.5316	4.6400e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		403.6731	403.6731	0.0219			404.1337
Total	0.2948	1.2195	3.6643	6.7900e-003	0.4370	0.0200	0.4570	0.1171	0.0183	0.1355		621.4374	621.4374	0.0239			621.9386

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 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	0.1018	0.8722	1.0407	2.1500e-003	0.0598	0.0134	0.0732	0.0171	0.0123	0.0294		215.2378	215.2378	1.7100e-003			215.2736
Worker	0.1623	0.1943	2.2704	4.6400e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		389.8892	389.8892	0.0200			390.3091
Total	0.2640	1.0665	3.3111	6.7900e-003	0.4370	0.0164	0.4535	0.1171	0.0151	0.1322		605.1269	605.1269	0.0217			605.5826

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	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 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	0.1018	0.8722	1.0407	2.1500e-003	0.0598	0.0134	0.0732	0.0171	0.0123	0.0294		215.2378	215.2378	1.7100e-003			215.2736
Worker	0.1623	0.1943	2.2704	4.6400e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		389.8892	389.8892	0.0200			390.3091
Total	0.2640	1.0665	3.3111	6.7900e-003	0.4370	0.0164	0.4535	0.1171	0.0151	0.1322		605.1269	605.1269	0.0217			605.5826

3.5 Architectural Coating - 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						
Archit. Coating	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367			282.2177
Total	10.7862	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367			282.2177

3.5 Architectural Coating - 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	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003			80.8267
Total	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003			80.8267

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	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0367			282.2177
Total	10.4935	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0367			282.2177

3.5 Architectural Coating - 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	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003			80.8267
Total	0.0361	0.0434	0.5063	9.3000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		80.7346	80.7346	4.3900e-003			80.8267

3.5 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	10.3796					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	10.7481	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

3.5 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	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003			78.0618
Total	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003			78.0618

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	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449
Total	10.4935	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449

3.5 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	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003		78.0618
Total	0.0325	0.0389	0.4541	9.3000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		77.9778	77.9778	4.0000e-003		78.0618

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
NaturalGas Unmitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	718.666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Single Family Housing	5909.17	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.718666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Single Family Housing	5.90917	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985
Unmitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - CONSTRUCTION ONLY (MITIGATED)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	24.33	Dwelling Unit	0.97	24,330.00	70
Single Family Housing	61.13	Dwelling Unit	9.04	110,034.00	175

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - FOR CONSTRUCTION EMISSIONS ONLY - land uses based on development per one phase (approx. 15 phases anticipated total)

Construction Phase - CONSTRUCTION EMISSIONS ONLY - per one phase (approx. 15 phases anticipated total)

Grading - CONSTRUCTION EMISSIONS PER ONE PHASE ONLY (approx. 15 phases anticipated total) - approx. 10 acres disturbed per phase based on information from applicant

Architectural Coating - project required to comply with BAAQMD rules and regulations

Vehicle Trips - THIS RUN IS FOR CONSTRUCTION EMISSIONS ONLY - PLEASE REFER TO CALEEMOD RESULTS LABELED "Tuscany Meadows - Operational (UNMITIGATED)" and "Tuscany Meadows - Operational (MITIGATED)" for project operational emissions

Woodstoves - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Energy Use - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Water And Wastewater - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Solid Waste - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Construction Off-road Equipment Mitigation - mitigations applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	162.00
tblConstructionPhase	NumDays	300.00	162.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	9/29/2016	3/1/2016
tblConstructionPhase	PhaseStartDate	2/17/2016	7/19/2015
tblConstructionPhase	PhaseStartDate	7/4/2015	7/5/2015
tblConstructionPhase	PhaseStartDate	5/23/2015	5/24/2015
tblGrading	AcresOfGrading	150.00	10.00
tblLandUse	LotAcreage	1.52	0.97
tblLandUse	LotAcreage	19.85	9.04
tblProjectCharacteristics	OperationalYear	2014	2030
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00

tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 4

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	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765,687 9	1,173,871 8	3,939,559 7	4.0524	0.1895	4,083.398 5
Energy	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
Mobile	0.0000	0.0000	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	136.0995	2.7319	184.6120	0.1207	0.0000	25.3834	25.3834	0.0000	25.3827	25.3827	2,765,687 9	1,953,617 3	4,719,305 2	4.0673	0.2038	4,867.889 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2015	5/22/2015	5	60	
2	Paving	Paving	5/24/2015	7/3/2015	5	30	
3	Building Construction	Building Construction	7/5/2015	2/16/2016	5	162	
4	Architectural Coating	Architectural Coating	7/19/2015	3/1/2016	5	162	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 272,087; Residential Outdoor: 90,696; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	40.00	9.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	6.1988	3.8022	10.0010	3.3293	3.4980	6.8273		6,486.243 3	6,486.243 3	1.9364		6,526.908 0

3.2 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	0.0000	0.0000	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	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110			186.4822
Total	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110			186.4822

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					2.7895	0.0000	2.7895	1.4982	0.0000	1.4982			0.0000			0.0000	
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	6,486.2433	6,486.2433	1.9364			6,526.9080
Total	1.8922	50.9465	37.9432	0.0618	2.7895	1.3783	4.1677	1.4982	1.3783	2.8765	0.0000	6,486.2433	6,486.2433	1.9364			6,526.9080

3.2 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	0.0000	0.0000	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	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110		186.4822
Total	0.0914	0.1341	1.2457	2.1400e-003	0.1886	1.6100e-003	0.1902	0.0500	1.4700e-003	0.0515		186.2519	186.2519	0.0110		186.4822

3.3 Paving - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681

3.3 Paving - 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	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003			139.8617
Total	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003			139.8617

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,339.8984	2,339.8984	0.6986			2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,339.8984	2,339.8984	0.6986			2,354.5681

3.3 Paving - 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	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003			139.8617
Total	0.0686	0.1006	0.9343	1.6100e-003	0.1415	1.2100e-003	0.1427	0.0375	1.1000e-003	0.0386		139.6889	139.6889	8.2300e-003			139.8617

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748			2,703.7483
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748			2,703.7483

3.4 Building Construction - 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	0.1452	1.0502	1.7177	2.1400e-003	0.0598	0.0169	0.0768	0.0171	0.0156	0.0327		216.1081	216.1081	1.9800e-003			216.1496
Worker	0.1828	0.2682	2.4915	4.2900e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		372.5038	372.5038	0.0219			372.9644
Total	0.3280	1.3185	4.2092	6.4300e-003	0.4370	0.0202	0.4572	0.1171	0.0185	0.1356		588.6119	588.6119	0.0239			589.1140

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	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,689.5771	2,689.5771	0.6748			2,703.7483
Total	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,689.5771	2,689.5771	0.6748			2,703.7483

3.4 Building Construction - 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	0.1452	1.0502	1.7177	2.1400e-003	0.0598	0.0169	0.0768	0.0171	0.0156	0.0327		216.1081	216.1081	1.9800e-003			216.1496
Worker	0.1828	0.2682	2.4915	4.2900e-003	0.3772	3.2200e-003	0.3804	0.1001	2.9400e-003	0.1030		372.5038	372.5038	0.0219			372.9644
Total	0.3280	1.3185	4.2092	6.4300e-003	0.4370	0.0202	0.4572	0.1171	0.0185	0.1356		588.6119	588.6119	0.0239			589.1140

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 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	0.1291	0.9132	1.6154	2.1400e-003	0.0598	0.0135	0.0734	0.0171	0.0124	0.0295		213.5919	213.5919	1.7500e-003			213.6286
Worker	0.1631	0.2404	2.2188	4.2800e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		359.7440	359.7440	0.0200			360.1639
Total	0.2923	1.1536	3.8341	6.4200e-003	0.4370	0.0166	0.4536	0.1171	0.0152	0.1324		573.3358	573.3358	0.0218			573.7924

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	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	0.8918	18.5391	17.8156	0.0268		0.6999	0.6999		0.6999	0.6999	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 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	0.1291	0.9132	1.6154	2.1400e-003	0.0598	0.0135	0.0734	0.0171	0.0124	0.0295		213.5919	213.5919	1.7500e-003		213.6286
Worker	0.1631	0.2404	2.2188	4.2800e-003	0.3772	3.0300e-003	0.3802	0.1001	2.7800e-003	0.1028		359.7440	359.7440	0.0200		360.1639
Total	0.2923	1.1536	3.8341	6.4200e-003	0.4370	0.0166	0.4536	0.1171	0.0152	0.1324		573.3358	573.3358	0.0218		573.7924

3.5 Architectural Coating - 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					
Archit. Coating	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	10.7862	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

3.5 Architectural Coating - 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	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003			74.5929
Total	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003			74.5929

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	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0367			282.2177
Total	10.4935	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0367			282.2177

3.5 Architectural Coating - 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	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003			74.5929
Total	0.0366	0.0537	0.4983	8.6000e-004	0.0754	6.4000e-004	0.0761	0.0200	5.9000e-004	0.0206		74.5008	74.5008	4.3900e-003			74.5929

3.5 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	10.3796					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	10.7481	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

3.5 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	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003			72.0328
Total	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003			72.0328

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	10.3796					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449
Total	10.4935	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449

3.5 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	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003		72.0328
Total	0.0326	0.0481	0.4438	8.6000e-004	0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206		71.9488	71.9488	4.0000e-003		72.0328

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909
NaturalGas Unmitigated	0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0150	0.0143	784.4909

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					
Single Family Housing	5909.17	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Apartments Low Rise	718.666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.718666	7.7500e-003	0.0662	0.0282	4.2000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003		84.5490	84.5490	1.6200e-003	1.5500e-003	85.0635
Single Family Housing	5.90917	0.0637	0.5446	0.2317	3.4800e-003		0.0440	0.0440		0.0440	0.0440		695.1966	695.1966	0.0133	0.0128	699.4274
Total		0.0715	0.6108	0.2599	3.9000e-003		0.0494	0.0494		0.0494	0.0494		779.7455	779.7455	0.0149	0.0143	784.4909

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985
Unmitigated	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

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	0.5183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	132.4240	2.0400	177.3202	0.1165		25.2950	25.2950		25.2942	25.2942	2,765.6879	1,161.1765	3,926.8644	4.0403	0.1895	4,070.4492
Landscaping	0.2103	0.0811	7.0319	3.7000e-004		0.0391	0.0391		0.0391	0.0391		12.6953	12.6953	0.0121		12.9493
Total	136.0280	2.1211	184.3521	0.1168		25.3341	25.3341		25.3333	25.3333	2,765.6879	1,173.8718	3,939.5597	4.0524	0.1895	4,083.3985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - OPERATIONAL (UNMITIGATED)
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	365.00	Dwelling Unit	14.60	365,000.00	1044
Single Family Housing	917.00	Dwelling Unit	135.60	1,650,600.00	2623

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - based on project design

Construction Phase - CONSTRUCTION EMISSIONS MODELED SEPARATELY - PLEASE SEE CONSTRUCTION ONLY MODELING RESULTS

Vehicle Trips - from traffic consultant

Woodstoves - project would utilize natural gas hearths only per BAAQMD rules and regulations

Area Coating - project would utilize only low VOC paints per BAAQMD rules and regulations

Mobile Land Use Mitigation -

Area Mitigation - project would utilize only low VOC paints per BAAQMD rules and regulations; consumer products regulated by BAAQMD

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	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
Mobile	20.1877	35.0494	179.0921	0.6972	47.3190	0.8422	48.1611	12.6587	0.7775	13.4361		49,568.2509	49,568.2509	1.3421		49,596.4342
Total	2,061.1082	75.9865	2,945.6049	2.5007	47.3190	381.1667	428.4856	12.6587	381.0904	393.7490	41,424.6374	78,875.7380	120,300.3753	62.0904	3.0563	122,551.7209

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	2,035.7595	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
Mobile	19.5270	31.9376	164.2362	0.6180	41.7353	0.7554	42.4907	11.1649	0.6974	11.8623		43,937.1604	43,937.1604	1.1996		43,962.3523
Total	2,056.3587	72.8747	2,930.7490	2.4215	41.7353	381.0799	422.8152	11.1649	381.0103	392.1753	41,424.6374	73,244.6474	114,669.2848	61.9480	3.0563	116,917.6390

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.23	4.10	0.50	3.17	11.80	0.02	1.32	11.80	0.02	0.40	0.00	7.14	4.68	0.23	0.00	4.60

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	12/31/2014	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (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	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	20.1877	35.0494	179.0921	0.6972	47.3190	0.8422	48.1611	12.6587	0.7775	13.4361		49,568.2509	49,568.2509	1.3421		49,596.4342
Mitigated	19.5270	31.9376	164.2362	0.6180	41.7353	0.7554	42.4907	11.1649	0.6974	11.8623		43,937.1604	43,937.1604	1.1996		43,962.3523

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,328.70	2,328.70	2328.70	5,198,511	4,585,087
Single Family Housing	7,647.78	7,647.78	7647.78	17,072,644	15,058,072
Total	9,976.48	9,976.48	9,976.48	22,271,155	19,643,159

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
NaturalGas Unmitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88642.4	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88.6424	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	2,039.848 3	31.7745	2,762.613 8	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.63 74	17,610.56 17	59,035.19 91	60.5242	2.8418	61,187.17 58
Mitigated	2,035.759 5	31.7745	2,762.613 8	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.63 74	17,610.56 17	59,035.19 91	60.5242	2.8418	61,187.17 58

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	7.7746					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.1338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,985.7847	30.5584	2,657.1267	1.7394		378.9972	378.9972		378.9856	378.9856	41,424.6374	17,420.1177	58,844.7550	60.3427	2.8418	60,992.9214
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815		194.2544
Total	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758

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	6.9108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	39.9089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,985.7847	30.5584	2,657.1267	1.7394		378.9972	378.9972		378.9856	378.9856	41,424.6374	17,420.1177	58,844.7550	60.3427	2.8418	60,992.9214
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815		194.2544
Total	2,035.7595	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - OPERATIONAL (UNMITIGATED)
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	365.00	Dwelling Unit	14.60	365,000.00	1044
Single Family Housing	917.00	Dwelling Unit	135.60	1,650,600.00	2623

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - based on project design

Construction Phase - CONSTRUCTION EMISSIONS MODELED SEPARATELY - PLEASE SEE CONSTRUCTION ONLY MODELING RESULTS

Vehicle Trips - from traffic consultant

Woodstoves - project would utilize natural gas hearths only per BAAQMD rules and regulations

Area Coating - project would utilize only low VOC paints per BAAQMD rules and regulations

Mobile Land Use Mitigation -

Area Mitigation - project would utilize only low VOC paints per BAAQMD rules and regulations; consumer products regulated by BAAQMD

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	2,039.848 3	31.7745	2,762.613 8	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.63 74	17,610.56 17	59,035.19 91	60.5242	2.8418	61,187.17 58
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.92 53	11,696.92 53	0.2242	0.2144	11,768.11 09
Mobile	20.9229	38.7532	210.0903	0.6548	47.3190	0.8456	48.1645	12.6587	0.7806	13.4392		46,756.94 47	46,756.94 47	1.3452		46,785.19 33
Total	2,061.843 4	79.6902	2,976.603 1	2.4583	47.3190	381.1701	428.4890	12.6587	381.0935	393.7522	41,424.63 74	76,064.43 18	117,489.0 692	62.0935	3.0563	119,740.4 800

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	2,035.759 5	31.7745	2,762.613 8	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.63 74	17,610.56 17	59,035.19 91	60.5242	2.8418	61,187.17 58
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.92 53	11,696.92 53	0.2242	0.2144	11,768.11 09
Mobile	20.2694	35.2673	196.7088	0.5806	41.7353	0.7588	42.4941	11.1649	0.7005	11.8655		41,447.87 68	41,447.87 68	1.2027		41,473.13 41
Total	2,057.101 1	76.2043	2,963.221 6	2.3840	41.7353	381.0833	422.8186	11.1649	381.0135	392.1784	41,424.63 74	70,755.36 39	112,180.0 013	61.9511	3.0563	114,428.4 208

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.23	4.37	0.45	3.02	11.80	0.02	1.32	11.80	0.02	0.40	0.00	6.98	4.52	0.23	0.00	4.44

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	12/31/2014	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (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	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	20.9229	38.7532	210.0903	0.6548	47.3190	0.8456	48.1645	12.6587	0.7806	13.4392		46,756.94 47	46,756.94 47	1.3452		46,785.19 33
Mitigated	20.2694	35.2673	196.7088	0.5806	41.7353	0.7588	42.4941	11.1649	0.7005	11.8655		41,447.87 68	41,447.87 68	1.2027		41,473.13 41

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,328.70	2,328.70	2328.70	5,198,511	4,585,087
Single Family Housing	7,647.78	7,647.78	7647.78	17,072,644	15,058,072
Total	9,976.48	9,976.48	9,976.48	22,271,155	19,643,159

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
NaturalGas Unmitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88642.4	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88.6424	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	2,039.848 3	31.7745	2,762.613 8	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.63 74	17,610.56 17	59,035.19 91	60.5242	2.8418	61,187.17 58
Mitigated	2,035.759 5	31.7745	2,762.613 8	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.63 74	17,610.56 17	59,035.19 91	60.5242	2.8418	61,187.17 58

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	7.7746					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.1338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,985.7847	30.5584	2,657.1267	1.7394		378.9972	378.9972		378.9856	378.9856	41,424.6374	17,420.1177	58,844.7550	60.3427	2.8418	60,992.9214
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815		194.2544
Total	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758

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	6.9108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	39.9089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,985.7847	30.5584	2,657.1267	1.7394		378.9972	378.9972		378.9856	378.9856	41,424.6374	17,420.1177	58,844.7550	60.3427	2.8418	60,992.9214
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815		194.2544
Total	2,035.7595	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - OPERATIONAL (MITIGATED)
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	365.00	Dwelling Unit	14.60	365,000.00	1044
Single Family Housing	917.00	Dwelling Unit	135.60	1,650,600.00	2623

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - based on project design

Construction Phase - CONSTRUCTION EMISSIONS MODELED SEPARATELY - PLEASE SEE CONSTRUCTION ONLY MODELING RESULTS

Vehicle Trips - from traffic consultant

Woodstoves - project would utilize natural gas hearths only per BAAQMD rules and regulations

Area Coating - project would utilize only low VOC paints per BAAQMD rules and regulations

Mobile Land Use Mitigation -

Area Mitigation - project would utilize only low VOC paints per BAAQMD rules and regulations; consumer products regulated by BAAQMD

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	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
Mobile	20.1877	35.0494	179.0921	0.6972	47.3190	0.8422	48.1611	12.6587	0.7775	13.4361		49,568.2509	49,568.2509	1.3421		49,596.4342
Total	2,061.1082	75.9865	2,945.6049	2.5007	47.3190	381.1667	428.4856	12.6587	381.0904	393.7490	41,424.6374	78,875.7380	120,300.3753	62.0904	3.0563	122,551.7209

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	52.7258	1.2162	105.6372	5.5900e-003		2.4872	2.4872		2.4672	2.4672	0.0000	30,200.6793	30,200.6793	0.7566	0.5502	30,387.1270
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
Mobile	19.5270	31.9376	164.2362	0.6180	41.7353	0.7554	42.4907	11.1649	0.6974	11.8623		43,937.1604	43,937.1604	1.1996		43,962.3523
Total	73.3250	42.3164	273.7724	0.6821	41.7353	3.9834	45.7187	11.1649	3.9054	15.0703	0.0000	85,834.7651	85,834.7651	2.1805	0.7646	86,117.5902

	ROG	NOx	CO	SO2	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	96.44	44.31	90.71	72.72	11.80	98.95	89.33	11.80	98.98	96.17	100.00	-8.82	28.65	96.49	74.98	29.73

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	12/31/2014	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (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	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	20.1877	35.0494	179.0921	0.6972	47.3190	0.8422	48.1611	12.6587	0.7775	13.4361		49,568.2509	49,568.2509	1.3421		49,596.4342
Mitigated	19.5270	31.9376	164.2362	0.6180	41.7353	0.7554	42.4907	11.1649	0.6974	11.8623		43,937.1604	43,937.1604	1.1996		43,962.3523

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,328.70	2,328.70	2328.70	5,198,511	4,585,087
Single Family Housing	7,647.78	7,647.78	7647.78	17,072,644	15,058,072
Total	9,976.48	9,976.48	9,976.48	22,271,155	19,643,159

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
NaturalGas Unmitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88642.4	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88.6424	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- 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					
Unmitigated	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758
Mitigated	52.7258	1.2162	105.6372	5.5900e-003		2.4872	2.4872		2.4672	2.4672	0.0000	30,200.6793	30,200.6793	0.7566	0.5502	30,387.1270

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	7.7746					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	43.1338					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	1,985.7847	30.5584	2,657.1267	1.7394		378.9972	378.9972		378.9856	378.9856	41,424.6374	17,420.1177	58,844.7550	60.3427	2.8418		60,992.9214
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815			194.2544
Total	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418		61,187.1758

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	6.9108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	39.9089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.7509	1.3000e-004	0.1501	0.0000		1.9007	1.9007		1.8806	1.8806	0.0000	30,010.2353	30,010.2353	0.5752	0.5502	30,192.8726
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815		194.2544
Total	52.7258	1.2162	105.6372	5.5900e-003		2.4872	2.4872		2.4672	2.4672	0.0000	30,200.6793	30,200.6793	0.7567	0.5502	30,387.1270

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - OPERATIONAL (MITIGATED)
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	365.00	Dwelling Unit	14.60	365,000.00	1044
Single Family Housing	917.00	Dwelling Unit	135.60	1,650,600.00	2623

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - based on project design

Construction Phase - CONSTRUCTION EMISSIONS MODELED SEPARATELY - PLEASE SEE CONSTRUCTION ONLY MODELING RESULTS

Vehicle Trips - from traffic consultant

Woodstoves - project would utilize natural gas hearths only per BAAQMD rules and regulations

Area Coating - project would utilize only low VOC paints per BAAQMD rules and regulations

Mobile Land Use Mitigation -

Area Mitigation - project would utilize only low VOC paints per BAAQMD rules and regulations; consumer products regulated by BAAQMD

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	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
Mobile	20.9229	38.7532	210.0903	0.6548	47.3190	0.8456	48.1645	12.6587	0.7806	13.4392		46,756.9447	46,756.9447	1.3452		46,785.1933
Total	2,061.8434	79.6902	2,976.6031	2.4583	47.3190	381.1701	428.4890	12.6587	381.0935	393.7522	41,424.6374	76,064.4318	117,489.0692	62.0935	3.0563	119,740.4800

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	52.7258	1.2162	105.6372	5.5900e-003		2.4872	2.4872		2.4672	2.4672	0.0000	30,200.6793	30,200.6793	0.7566	0.5502	30,387.1270
Energy	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
Mobile	20.2694	35.2673	196.7088	0.5806	41.7353	0.7588	42.4941	11.1649	0.7005	11.8655		41,447.8768	41,447.8768	1.2027		41,473.1341
Total	74.0674	45.6461	306.2449	0.6447	41.7353	3.9868	45.7221	11.1649	3.9085	15.0735	0.0000	83,345.4815	83,345.4815	2.1836	0.7646	83,628.3719

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	96.41	42.72	89.71	73.78	11.80	98.95	89.33	11.80	98.97	96.17	100.00	-9.57	29.06	96.48	74.98	30.16

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	12/31/2014	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (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	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	20.9229	38.7532	210.0903	0.6548	47.3190	0.8456	48.1645	12.6587	0.7806	13.4392		46,756.94 47	46,756.94 47	1.3452		46,785.19 33
Mitigated	20.2694	35.2673	196.7088	0.5806	41.7353	0.7588	42.4941	11.1649	0.7005	11.8655		41,447.87 68	41,447.87 68	1.2027		41,473.13 41

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,328.70	2,328.70	2328.70	5,198,511	4,585,087
Single Family Housing	7,647.78	7,647.78	7647.78	17,072,644	15,058,072
Total	9,976.48	9,976.48	9,976.48	22,271,155	19,643,159

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109
NaturalGas Unmitigated	1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9253	11,696.9253	0.2242	0.2144	11,768.1109

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88642.4	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	10781.5	0.1163	0.9936	0.4228	6.3400e-003		0.0803	0.0803		0.0803	0.0803		1,268.4082	1,268.4082	0.0243	0.0233	1,276.1276
Single Family Housing	88.6424	0.9560	8.1690	3.4762	0.0521		0.6605	0.6605		0.6605	0.6605		10,428.5171	10,428.5171	0.1999	0.1912	10,491.9833
Total		1.0722	9.1626	3.8990	0.0585		0.7408	0.7408		0.7408	0.7408		11,696.9254	11,696.9254	0.2242	0.2144	11,768.1109

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- 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					
Unmitigated	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758
Mitigated	52.7258	1.2162	105.6372	5.5900e-003		2.4872	2.4872		2.4672	2.4672	0.0000	30,200.6793	30,200.6793	0.7566	0.5502	30,387.1270

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	7.7746					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.1338					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,985.7847	30.5584	2,657.1267	1.7394		378.9972	378.9972		378.9856	378.9856	41,424.6374	17,420.1177	58,844.7550	60.3427	2.8418	60,992.9214
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815		194.2544
Total	2,039.8483	31.7745	2,762.6138	1.7450		379.5837	379.5837		379.5721	379.5721	41,424.6374	17,610.5617	59,035.1991	60.5242	2.8418	61,187.1758

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	6.9108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	39.9089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.7509	1.3000e-004	0.1501	0.0000		1.9007	1.9007		1.8806	1.8806	0.0000	30,010.2353	30,010.2353	0.5752	0.5502	30,192.8726
Landscaping	3.1552	1.2161	105.4871	5.5900e-003		0.5865	0.5865		0.5865	0.5865		190.4441	190.4441	0.1815		194.2544
Total	52.7258	1.2162	105.6372	5.5900e-003		2.4872	2.4872		2.4672	2.4672	0.0000	30,200.6793	30,200.6793	0.7567	0.5502	30,387.1270

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - CONSTRUCTION ONLY
Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	24.33	Dwelling Unit	0.97	24,330.00	70
Single Family Housing	61.13	Dwelling Unit	9.04	110,034.00	175

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - FOR CONSTRUCTION EMISSIONS ONLY - land uses based on development per one phase (approx. 15 phases anticipated total)

Construction Phase - CONSTRUCTION EMISSIONS ONLY - per one phase (approx. 15 phases anticipated total)

Grading - CONSTRUCTION EMISSIONS PER ONE PHASE ONLY (approx. 15 phases anticipated total) - approx. 10 acres disturbed per phase based on information from applicant

Architectural Coating - project required to comply with BAAQMD rules and regulations

Vehicle Trips - THIS RUN IS FOR CONSTRUCTION EMISSIONS ONLY - PLEASE REFER TO CALEEMOD RESULTS LABELED "Tuscany Meadows - Operational (UNMITIGATED)" and "Tuscany Meadows - Operational (MITIGATED)" for project operational emissions

Woodstoves - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Energy Use - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Water And Wastewater - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Solid Waste - CONSTRUCTION EMISSIONS ONLY - SEE PREVIOUS NOTES

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblConstructionPhase	NumDays	20.00	162.00
tblConstructionPhase	NumDays	300.00	162.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	9/29/2016	3/1/2016
tblConstructionPhase	PhaseStartDate	2/17/2016	7/19/2015
tblConstructionPhase	PhaseStartDate	7/4/2015	7/5/2015
tblConstructionPhase	PhaseStartDate	5/23/2015	5/24/2015
tblGrading	AcresOfGrading	150.00	10.00
tblLandUse	LotAcreage	1.52	0.97
tblLandUse	LotAcreage	19.85	9.04
tblProjectCharacteristics	OperationalYear	2014	2030
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0567	0.0152	1.2755	7.1000e-004		0.0972	0.0972		0.0971	0.0971	9.8350	4.0496	13.8846	0.0221	5.3000e-004	14.5120
Energy	0.0130	0.1115	0.0474	7.1000e-004		9.0100e-003	9.0100e-003		9.0100e-003	9.0100e-003	0.0000	280.9354	280.9354	9.3400e-003	3.7900e-003	282.3055
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	17.1913	0.0000	17.1913	1.0160	0.0000	38.5268
Water						0.0000	0.0000		0.0000	0.0000	1.7665	12.3390	14.1055	0.1820	4.4000e-003	19.2912
Total	1.0697	0.1266	1.3229	1.4200e-003	0.0000	0.1062	0.1062	0.0000	0.1062	0.1062	28.7928	297.3239	326.1167	1.2294	8.7200e-003	354.6356

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	1.0567	0.0152	1.2755	7.1000e-004		0.0972	0.0972		0.0971	0.0971	9.8350	4.0496	13.8846	0.0221	5.3000e-004	14.5120
Energy	0.0130	0.1115	0.0474	7.1000e-004		9.0100e-003	9.0100e-003		9.0100e-003	9.0100e-003	0.0000	280.9354	280.9354	9.3400e-003	3.7900e-003	282.3055
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	17.1913	0.0000	17.1913	1.0160	0.0000	38.5268
Water						0.0000	0.0000		0.0000	0.0000	1.7665	12.3390	14.1055	0.1820	4.3900e-003	19.2884
Total	1.0697	0.1266	1.3229	1.4200e-003	0.0000	0.1062	0.1062	0.0000	0.1062	0.1062	28.7928	297.3239	326.1167	1.2294	8.7100e-003	354.6328

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2015	5/22/2015	5	60	
2	Paving	Paving	5/24/2015	7/3/2015	5	30	
3	Building Construction	Building Construction	7/5/2015	2/16/2016	5	162	
4	Architectural Coating	Architectural Coating	7/19/2015	3/1/2016	5	162	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 272,087; Residential Outdoor: 90,696; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	40.00	9.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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					0.1860	0.0000	0.1860	0.0999	0.0000	0.0999	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2033	2.3714	1.5252	1.8500e-003		0.1141	0.1141		0.1049	0.1049	0.0000	176.5266	176.5266	0.0527	0.0000	177.6333
Total	0.2033	2.3714	1.5252	1.8500e-003	0.1860	0.1141	0.3000	0.0999	0.1049	0.2048	0.0000	176.5266	176.5266	0.0527	0.0000	177.6333

3.2 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	0.0000	0.0000	0.0000	0.0000	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	2.5400e-003	3.6800e-003	0.0358	6.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4500e-003	4.0000e-005	1.4900e-003	0.0000	5.1143	5.1143	3.0000e-004	0.0000	5.1205
Total	2.5400e-003	3.6800e-003	0.0358	6.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4500e-003	4.0000e-005	1.4900e-003	0.0000	5.1143	5.1143	3.0000e-004	0.0000	5.1205

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					0.0837	0.0000	0.0837	0.0450	0.0000	0.0450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2033	2.3714	1.5252	1.8500e-003		0.1141	0.1141		0.1049	0.1049	0.0000	176.5264	176.5264	0.0527	0.0000	177.6331
Total	0.2033	2.3714	1.5252	1.8500e-003	0.0837	0.1141	0.1978	0.0450	0.1049	0.1499	0.0000	176.5264	176.5264	0.0527	0.0000	177.6331

3.2 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	0.0000	0.0000	0.0000	0.0000	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	2.5400e-003	3.6800e-003	0.0358	6.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4500e-003	4.0000e-005	1.4900e-003	0.0000	5.1143	5.1143	3.0000e-004	0.0000	5.1205
Total	2.5400e-003	3.6800e-003	0.0358	6.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4500e-003	4.0000e-005	1.4900e-003	0.0000	5.1143	5.1143	3.0000e-004	0.0000	5.1205

3.3 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0348	0.3776	0.2247	3.3000e-004		0.0212	0.0212		0.0195	0.0195	0.0000	31.8408	31.8408	9.5100e-003	0.0000	32.0404
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0348	0.3776	0.2247	3.3000e-004		0.0212	0.0212		0.0195	0.0195	0.0000	31.8408	31.8408	9.5100e-003	0.0000	32.0404

3.3 Paving - 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	9.5000e-004	1.3800e-003	0.0134	2.0000e-005	2.0400e-003	2.0000e-005	2.0600e-003	5.4000e-004	2.0000e-005	5.6000e-004	0.0000	1.9179	1.9179	1.1000e-004	0.0000	1.9202
Total	9.5000e-004	1.3800e-003	0.0134	2.0000e-005	2.0400e-003	2.0000e-005	2.0600e-003	5.4000e-004	2.0000e-005	5.6000e-004	0.0000	1.9179	1.9179	1.1000e-004	0.0000	1.9202

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	0.0348	0.3776	0.2247	3.3000e-004		0.0212	0.0212		0.0195	0.0195	0.0000	31.8408	31.8408	9.5100e-003	0.0000	32.0404
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0348	0.3776	0.2247	3.3000e-004		0.0212	0.0212		0.0195	0.0195	0.0000	31.8408	31.8408	9.5100e-003	0.0000	32.0404

3.3 Paving - 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	9.5000e-004	1.3800e-003	0.0134	2.0000e-005	2.0400e-003	2.0000e-005	2.0600e-003	5.4000e-004	2.0000e-005	5.6000e-004	0.0000	1.9179	1.9179	1.1000e-004	0.0000	1.9202
Total	9.5000e-004	1.3800e-003	0.0134	2.0000e-005	2.0400e-003	2.0000e-005	2.0600e-003	5.4000e-004	2.0000e-005	5.6000e-004	0.0000	1.9179	1.9179	1.1000e-004	0.0000	1.9202

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2360	1.9369	1.2090	1.7300e-003		0.1365	0.1365		0.1284	0.1284	0.0000	157.3763	157.3763	0.0395	0.0000	158.2056
Total	0.2360	1.9369	1.2090	1.7300e-003		0.1365	0.1365		0.1284	0.1284	0.0000	157.3763	157.3763	0.0395	0.0000	158.2056

3.4 Building Construction - 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	0.0000
Vendor	8.3000e-003	0.0669	0.0920	1.4000e-004	3.7400e-003	1.0800e-003	4.8200e-003	1.0700e-003	1.0000e-003	2.0700e-003	0.0000	12.7014	12.7014	1.1000e-004	0.0000	12.7038	
Worker	0.0109	0.0158	0.1538	2.8000e-004	0.0234	2.1000e-004	0.0236	6.2300e-003	1.9000e-004	6.4200e-003	0.0000	21.9914	21.9914	1.2800e-003	0.0000	22.0183	
Total	0.0192	0.0827	0.2458	4.2000e-004	0.0271	1.2900e-003	0.0284	7.3000e-003	1.1900e-003	8.4900e-003	0.0000	34.6928	34.6928	1.3900e-003	0.0000	34.7221	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.2360	1.9369	1.2090	1.7300e-003		0.1365	0.1365		0.1284	0.1284	0.0000	157.3762	157.3762	0.0395	0.0000	158.2054	
Total	0.2360	1.9369	1.2090	1.7300e-003		0.1365	0.1365		0.1284	0.1284	0.0000	157.3762	157.3762	0.0395	0.0000	158.2054	

3.4 Building Construction - 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	8.3000e-003	0.0669	0.0920	1.4000e-004	3.7400e-003	1.0800e-003	4.8200e-003	1.0700e-003	1.0000e-003	2.0700e-003	0.0000	12.7014	12.7014	1.1000e-004	0.0000	12.7038
Worker	0.0109	0.0158	0.1538	2.8000e-004	0.0234	2.1000e-004	0.0236	6.2300e-003	1.9000e-004	6.4200e-003	0.0000	21.9914	21.9914	1.2800e-003	0.0000	22.0183
Total	0.0192	0.0827	0.2458	4.2000e-004	0.0271	1.2900e-003	0.0284	7.3000e-003	1.1900e-003	8.4900e-003	0.0000	34.6928	34.6928	1.3900e-003	0.0000	34.7221

3.4 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	0.0562	0.4704	0.3054	4.4000e-004		0.0325	0.0325		0.0305	0.0305	0.0000	39.9553	39.9553	9.9100e-003	0.0000	40.1634
Total	0.0562	0.4704	0.3054	4.4000e-004		0.0325	0.0325		0.0305	0.0305	0.0000	39.9553	39.9553	9.9100e-003	0.0000	40.1634

3.4 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	1.8900e-003	0.0149	0.0220	4.0000e-005	9.6000e-004	2.2000e-004	1.1800e-003	2.7000e-004	2.0000e-004	4.8000e-004	0.0000	3.2115	3.2115	3.0000e-005	0.0000	0.0000	3.2120
Worker	2.5000e-003	3.6300e-003	0.0351	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	5.0000e-005	1.6400e-003	0.0000	5.4331	5.4331	3.0000e-004	0.0000	0.0000	5.4394
Total	4.3900e-003	0.0185	0.0571	1.1000e-004	6.9500e-003	2.7000e-004	7.2200e-003	1.8600e-003	2.5000e-004	2.1200e-003	0.0000	8.6445	8.6445	3.3000e-004	0.0000	0.0000	8.6514

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	0.0562	0.4704	0.3054	4.4000e-004		0.0325	0.0325		0.0305	0.0305	0.0000	39.9553	39.9553	9.9100e-003	0.0000	0.0000	40.1634
Total	0.0562	0.4704	0.3054	4.4000e-004		0.0325	0.0325		0.0305	0.0305	0.0000	39.9553	39.9553	9.9100e-003	0.0000	0.0000	40.1634

3.4 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	1.8900e-003	0.0149	0.0220	4.0000e-005	9.6000e-004	2.2000e-004	1.1800e-003	2.7000e-004	2.0000e-004	4.8000e-004	0.0000	3.2115	3.2115	3.0000e-005	0.0000	3.2120
Worker	2.5000e-003	3.6300e-003	0.0351	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	5.0000e-005	1.6400e-003	0.0000	5.4331	5.4331	3.0000e-004	0.0000	5.4394
Total	4.3900e-003	0.0185	0.0571	1.1000e-004	6.9500e-003	2.7000e-004	7.2200e-003	1.8600e-003	2.5000e-004	2.1200e-003	0.0000	8.6445	8.6445	3.3000e-004	0.0000	8.6514

3.5 Architectural Coating - 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					
Archit. Coating	0.6176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0242	0.1529	0.1132	1.8000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	15.1919	15.1919	1.9800e-003	0.0000	15.2334
Total	0.6418	0.1529	0.1132	1.8000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	15.1919	15.1919	1.9800e-003	0.0000	15.2334

3.5 Architectural Coating - 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	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	0.0000
Worker	2.0200e-003	2.9200e-003	0.0284	5.0000e-005	4.3200e-003	4.0000e-005	4.3600e-003	1.1500e-003	4.0000e-005	1.1800e-003	0.0000	4.0573	4.0573	2.4000e-004	0.0000	4.0623	
Total	2.0200e-003	2.9200e-003	0.0284	5.0000e-005	4.3200e-003	4.0000e-005	4.3600e-003	1.1500e-003	4.0000e-005	1.1800e-003	0.0000	4.0573	4.0573	2.4000e-004	0.0000	4.0623	

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	0.6176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.1529	0.1132	1.8000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	15.1918	15.1918	1.9800e-003	0.0000	15.2334
Total	0.6418	0.1529	0.1132	1.8000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	15.1918	15.1918	1.9800e-003	0.0000	15.2334

3.5 Architectural Coating - 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	2.0200e-003	2.9200e-003	0.0284	5.0000e-005	4.3200e-003	4.0000e-005	4.3600e-003	1.1500e-003	4.0000e-005	1.1800e-003	0.0000	4.0573	4.0573	2.4000e-004	0.0000	4.0623
Total	2.0200e-003	2.9200e-003	0.0284	5.0000e-005	4.3200e-003	4.0000e-005	4.3600e-003	1.1500e-003	4.0000e-005	1.1800e-003	0.0000	4.0573	4.0573	2.4000e-004	0.0000	4.0623

3.5 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	0.2232					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9200e-003	0.0510	0.0405	6.0000e-005		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	5.4895	5.4895	6.5000e-004	0.0000	5.5031
Total	0.2311	0.0510	0.0405	6.0000e-005		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	5.4895	5.4895	6.5000e-004	0.0000	5.5031

3.5 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	6.5000e-004	9.5000e-004	9.1600e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4159	1.4159	8.0000e-005	0.0000	1.4175
Total	6.5000e-004	9.5000e-004	9.1600e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4159	1.4159	8.0000e-005	0.0000	1.4175

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	0.2232					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9200e-003	0.0510	0.0405	6.0000e-005		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	5.4895	5.4895	6.5000e-004	0.0000	5.5031
Total	0.2311	0.0510	0.0405	6.0000e-005		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	5.4895	5.4895	6.5000e-004	0.0000	5.5031

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

~~4.4 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	151.8397	151.8397	6.8700e-003	1.4200e-003	152.4243
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	151.8397	151.8397	6.8700e-003	1.4200e-003	152.4243
NaturalGas Mitigated	0.0130	0.1115	0.0474	7.1000e-004		9.0100e-003	9.0100e-003		9.0100e-003	9.0100e-003	0.0000	129.0956	129.0956	2.4700e-003	2.3700e-003	129.8813
NaturalGas Unmitigated	0.0130	0.1115	0.0474	7.1000e-004		9.0100e-003	9.0100e-003		9.0100e-003	9.0100e-003	0.0000	129.0956	129.0956	2.4700e-003	2.3700e-003	129.8813

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	262313	1.4100e-003	0.0121	5.1400e-003	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	13.9980	13.9980	2.7000e-004	2.6000e-004	14.0832
Single Family Housing	2.15685e+006	0.0116	0.0994	0.0423	6.3000e-004		8.0400e-003	8.0400e-003		8.0400e-003	8.0400e-003	0.0000	115.0976	115.0976	2.2100e-003	2.1100e-003	115.7981
Total		0.0130	0.1115	0.0474	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003	0.0000	129.0956	129.0956	2.4800e-003	2.3700e-003	129.8813

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					
Apartments Low Rise	262313	1.4100e-003	0.0121	5.1400e-003	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	13.9980	13.9980	2.7000e-004	2.6000e-004	14.0832
Single Family Housing	2.15685e+006	0.0116	0.0994	0.0423	6.3000e-004		8.0400e-003	8.0400e-003		8.0400e-003	8.0400e-003	0.0000	115.0976	115.0976	2.2100e-003	2.1100e-003	115.7981
Total		0.0130	0.1115	0.0474	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003	0.0000	129.0956	129.0956	2.4800e-003	2.3700e-003	129.8813

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	89576	26.0587	1.1800e-003	2.4000e-004	26.1590
Single Family Housing	432369	125.7811	5.6900e-003	1.1800e-003	126.2653
Total		151.8397	6.8700e-003	1.4200e-003	152.4243

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	89576	26.0587	1.1800e-003	2.4000e-004	26.1590
Single Family Housing	432369	125.7811	5.6900e-003	1.1800e-003	126.2653
Total		151.8397	6.8700e-003	1.4200e-003	152.4243

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0567	0.0152	1.2755	7.1000e-004		0.0972	0.0972		0.0971	0.0971	9.8350	4.0496	13.8846	0.0221	5.3000e-004	14.5120
Unmitigated	1.0567	0.0152	1.2755	7.1000e-004		0.0972	0.0972		0.0971	0.0971	9.8350	4.0496	13.8846	0.0221	5.3000e-004	14.5120

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	0.0946					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5248					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4184	7.8600e-003	0.6426	6.7000e-004		0.0936	0.0936		0.0936	0.0936	9.8350	3.0131	12.8481	0.0211	5.3000e-004	13.4548
Landscaping	0.0189	7.3000e-003	0.6329	3.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.0000	1.0365	1.0365	9.9000e-004	0.0000	1.0573
Total	1.0567	0.0152	1.2755	7.0000e-004		0.0972	0.0972		0.0971	0.0971	9.8350	4.0496	13.8846	0.0221	5.3000e-004	14.5121

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	0.0946					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5248					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4184	7.8600e-003	0.6426	6.7000e-004		0.0936	0.0936		0.0936	0.0936	9.8350	3.0131	12.8481	0.0211	5.3000e-004	13.4548
Landscaping	0.0189	7.3000e-003	0.6329	3.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.0000	1.0365	1.0365	9.9000e-004	0.0000	1.0573
Total	1.0567	0.0152	1.2755	7.0000e-004		0.0972	0.0972		0.0971	0.0971	9.8350	4.0496	13.8846	0.0221	5.3000e-004	14.5121

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.1055	0.1820	4.3900e-003	19.2884
Unmitigated	14.1055	0.1820	4.4000e-003	19.2912

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.5852 / 0.999364	4.0158	0.0518	1.2500e-003	5.4921
Single Family Housing	3.98287 / 2.51094	10.0897	0.1302	3.1500e-003	13.7991
Total		14.1055	0.1820	4.4000e-003	19.2912

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.5852 / 0.999364	4.0158	0.0518	1.2500e-003	5.4913
Single Family Housing	3.98287 / 2.51094	10.0897	0.1302	3.1400e-003	13.7971
Total		14.1055	0.1820	4.3900e-003	19.2884

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.1913	1.0160	0.0000	38.5268
Unmitigated	17.1913	1.0160	0.0000	38.5268

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.19	2.2715	0.1342	0.0000	5.0905
Single Family Housing	73.5	14.9198	0.8817	0.0000	33.4363
Total		17.1913	1.0160	0.0000	38.5268

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.19	2.2715	0.1342	0.0000	5.0905
Single Family Housing	73.5	14.9198	0.8817	0.0000	33.4363
Total		17.1913	1.0160	0.0000	38.5268

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - OPERATIONAL (UNMITIGATED)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	365.00	Dwelling Unit	14.60	365,000.00	1044
Single Family Housing	917.00	Dwelling Unit	135.60	1,650,600.00	2623

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - based on project design

Construction Phase - CONSTRUCTION EMISSIONS MODELED SEPARATELY - PLEASE SEE CONSTRUCTION ONLY MODELING RESULTS

Vehicle Trips - from traffic consultant

Woodstoves - project would utilize natural gas hearths only per BAAQMD rules and regulations

Area Coating - project would utilize only low VOC paints per BAAQMD rules and regulations

Mobile Land Use Mitigation -

Area Mitigation - project would utilize only low VOC paints per BAAQMD rules and regulations; consumer products regulated by BAAQMD

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	15.8495	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855
Energy	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	4,214.3096	4,214.3096	0.1401	0.0568	4,234.8638
Mobile	3.5568	6.7790	34.4213	0.1199	8.2894	0.1534	8.4427	2.2247	0.1416	2.3662	0.0000	7,767.0972	7,767.0972	0.2215	0.0000	7,771.7494
Waste						0.0000	0.0000		0.0000	0.0000	257.7092	0.0000	257.7092	15.2302	0.0000	577.5429
Water						0.0000	0.0000		0.0000	0.0000	26.4994	185.0989	211.5983	2.7301	0.0660	289.3900
Total	19.6021	8.6784	54.2608	0.1412	8.2894	1.7450	10.0344	2.2247	1.7332	3.9579	431.6395	12,227.2567	12,658.8962	18.6535	0.1307	13,091.1317

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	15.1033	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855
Energy	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	4,214.3096	4,214.3096	0.1401	0.0568	4,234.8638
Mobile	3.4387	6.1727	32.0046	0.1063	7.3112	0.1376	7.4488	1.9622	0.1270	2.0892	0.0000	6,885.8516	6,885.8516	0.1981	0.0000	6,890.0106
Waste						0.0000	0.0000		0.0000	0.0000	257.7092	0.0000	257.7092	15.2302	0.0000	577.5429
Water						0.0000	0.0000		0.0000	0.0000	26.4994	185.0989	211.5983	2.7296	0.0659	289.3478
Total	18.7377	8.0721	51.8441	0.1276	7.3112	1.7292	9.0404	1.9622	1.7186	3.6808	431.6395	11,346.0111	11,777.6506	18.6295	0.1306	12,209.3506

	ROG	NOx	CO	SO2	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	4.41	6.99	4.45	9.63	11.80	0.90	9.91	11.80	0.84	7.00	0.00	7.21	6.96	0.13	0.08	6.74

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	12/31/2014	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (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	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4387	6.1727	32.0046	0.1063	7.3112	0.1376	7.4488	1.9622	0.1270	2.0892	0.0000	6,885.8516	6,885.8516	0.1981	0.0000	6,890.0106
Unmitigated	3.5568	6.7790	34.4213	0.1199	8.2894	0.1534	8.4427	2.2247	0.1416	2.3662	0.0000	7,767.0972	7,767.0972	0.2215	0.0000	7,771.7494

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,328.70	2,328.70	2328.70	5,198,511	4,585,087
Single Family Housing	7,647.78	7,647.78	7647.78	17,072,644	15,058,072
Total	9,976.48	9,976.48	9,976.48	22,271,155	19,643,159

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427
NaturalGas Unmitigated	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,277.7525	2,277.7525	0.1030	0.0213	2,286.5211
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,277.7525	2,277.7525	0.1030	0.0213	2,286.5211

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.93524e+006	0.0212	0.1813	0.0772	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	209.9992	209.9992	4.0200e-003	3.8500e-003	211.2772
Single Family Housing	3.23545e+007	0.1745	1.4908	0.6344	9.5200e-003		0.1205	0.1205		0.1205	0.1205	0.0000	1,726.5580	1,726.5580	0.0331	0.0317	1,737.0655
Total		0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427

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					
Apartments Low Rise	3.93524e+006	0.0212	0.1813	0.0772	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	209.9992	209.9992	4.0200e-003	3.8500e-003	211.2772
Single Family Housing	3.23545e+007	0.1745	1.4908	0.6344	9.5200e-003		0.1205	0.1205		0.1205	0.1205	0.0000	1,726.5580	1,726.5580	0.0331	0.0317	1,737.0655
Total		0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.34382e+006	390.9339	0.0177	3.6600e-003	392.4388
Single Family Housing	6.48589e+006	1,886.8186	0.0853	0.0177	1,894.0823
Total		2,277.7525	0.1030	0.0213	2,286.5211

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.34382e+006	390.9339	0.0177	3.6600e-003	392.4388
Single Family Housing	6.48589e+006	1,886.8186	0.0853	0.0177	1,894.0823
Total		2,277.7525	0.1030	0.0213	2,286.5211

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	15.1033	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855
Unmitigated	15.8495	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.4189					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.8719					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.2748	0.1178	9.6341	0.0101		1.4037	1.4037		1.4036	1.4036	147.4309	45.2019	192.6328	0.3167	7.8800e-003	201.7253
Landscaping	0.2840	0.1095	9.4938	5.0000e-004		0.0528	0.0528		0.0528	0.0528	0.0000	15.5491	15.5491	0.0148	0.0000	15.8602
Total	15.8496	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855

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	1.2612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.2834					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.2748	0.1178	9.6341	0.0101		1.4037	1.4037		1.4036	1.4036	147.4309	45.2019	192.6328	0.3167	7.8800e-003	201.7253
Landscaping	0.2840	0.1095	9.4938	5.0000e-004		0.0528	0.0528		0.0528	0.0528	0.0000	15.5491	15.5491	0.0148	0.0000	15.8602
Total	15.1033	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	211.5983	2.7301	0.0660	289.3900
Mitigated	211.5983	2.7296	0.0659	289.3478

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	23.7812 / 14.9925	60.2445	0.7773	0.0188	82.3926
Single Family Housing	59.7462 / 37.6661	151.3539	1.9528	0.0472	206.9974
Total		211.5983	2.7301	0.0660	289.3900

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	23.7812 / 14.9925	60.2445	0.7772	0.0188	82.3806
Single Family Housing	59.7462 / 37.6661	151.3539	1.9525	0.0471	206.9672
Total		211.5983	2.7296	0.0659	289.3478

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	257.7092	15.2302	0.0000	577.5429
Unmitigated	257.7092	15.2302	0.0000	577.5429

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	167.9	34.0822	2.0142	0.0000	76.3804
Single Family Housing	1101.66	223.6270	13.2160	0.0000	501.1626
Total		257.7092	15.2302	0.0000	577.5429

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	167.9	34.0822	2.0142	0.0000	76.3804
Single Family Housing	1101.66	223.6270	13.2160	0.0000	501.1626
Total		257.7092	15.2302	0.0000	577.5429

9.0 Operational Offroad

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

10.0 Vegetation

Tuscany Meadows - OPERATIONAL (MITIGATED)
Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	365.00	Dwelling Unit	14.60	365,000.00	1044
Single Family Housing	917.00	Dwelling Unit	135.60	1,650,600.00	2623

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	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 - based on project design

Construction Phase - CONSTRUCTION EMISSIONS MODELED SEPARATELY - PLEASE SEE CONSTRUCTION ONLY MODELING RESULTS

Vehicle Trips - from traffic consultant

Woodstoves - project would utilize natural gas hearths only per BAAQMD rules and regulations

Area Coating - project would utilize only low VOC paints per BAAQMD rules and regulations

Mobile Land Use Mitigation -

Area Mitigation - project would utilize only low VOC paints per BAAQMD rules and regulations; consumer products regulated by BAAQMD

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	15.8495	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855
Energy	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	4,214.3096	4,214.3096	0.1401	0.0568	4,234.8638
Mobile	3.5568	6.7790	34.4213	0.1199	8.2894	0.1534	8.4427	2.2247	0.1416	2.3662	0.0000	7,767.0972	7,767.0972	0.2215	0.0000	7,771.7494
Waste						0.0000	0.0000		0.0000	0.0000	257.7092	0.0000	257.7092	15.2302	0.0000	577.5429
Water						0.0000	0.0000		0.0000	0.0000	26.4994	185.0989	211.5983	2.7301	0.0660	289.3900
Total	19.6021	8.6784	54.2608	0.1412	8.2894	1.7450	10.0344	2.2247	1.7332	3.9579	431.6395	12,227.2567	12,658.8962	18.6535	0.1307	13,091.1317

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	8.8366	0.1095	9.4943	5.0000e-004		0.0584	0.0584		0.0583	0.0583	0.0000	95.5265	95.5265	0.0164	1.4700e-003	96.3244
Energy	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	4,214.3096	4,214.3096	0.1401	0.0568	4,234.8638
Mobile	3.4387	6.1727	32.0046	0.1063	7.3112	0.1376	7.4488	1.9622	0.1270	2.0892	0.0000	6,885.8516	6,885.8516	0.1981	0.0000	6,890.0106
Waste						0.0000	0.0000		0.0000	0.0000	257.7092	0.0000	257.7092	15.2302	0.0000	577.5429
Water						0.0000	0.0000		0.0000	0.0000	26.4994	185.0989	211.5983	2.7296	0.0659	289.3478
Total	12.4710	7.9543	42.2105	0.1175	7.3112	0.3312	7.6424	1.9622	0.3205	2.2827	284.2086	11,380.7866	11,664.9953	18.3143	0.1242	12,088.0895

	ROG	NOx	CO	SO2	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	36.38	8.34	22.21	16.78	11.80	81.02	23.84	11.80	81.51	42.32	34.16	6.92	7.85	1.82	4.98	7.66

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	12/31/2014	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (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	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4387	6.1727	32.0046	0.1063	7.3112	0.1376	7.4488	1.9622	0.1270	2.0892	0.0000	6,885.8516	6,885.8516	0.1981	0.0000	6,890.0106
Unmitigated	3.5568	6.7790	34.4213	0.1199	8.2894	0.1534	8.4427	2.2247	0.1416	2.3662	0.0000	7,767.0972	7,767.0972	0.2215	0.0000	7,771.7494

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,328.70	2,328.70	2328.70	5,198,511	4,585,087
Single Family Housing	7,647.78	7,647.78	7647.78	17,072,644	15,058,072
Total	9,976.48	9,976.48	9,976.48	22,271,155	19,643,159

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 Low Rise	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546176	0.062997	0.173012	0.119034	0.033738	0.004867	0.016718	0.029134	0.002212	0.003089	0.006837	0.000569	0.001618

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427
NaturalGas Unmitigated	0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,277.7525	2,277.7525	0.1030	0.0213	2,286.5211
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,277.7525	2,277.7525	0.1030	0.0213	2,286.5211

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.93524e+006	0.0212	0.1813	0.0772	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	209.9992	209.9992	4.0200e-003	3.8500e-003	211.2772
Single Family Housing	3.23545e+007	0.1745	1.4908	0.6344	9.5200e-003		0.1205	0.1205		0.1205	0.1205	0.0000	1,726.5580	1,726.5580	0.0331	0.0317	1,737.0655
Total		0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427

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					
Apartments Low Rise	3.93524e+006	0.0212	0.1813	0.0772	1.1600e-003		0.0147	0.0147		0.0147	0.0147	0.0000	209.9992	209.9992	4.0200e-003	3.8500e-003	211.2772
Single Family Housing	3.23545e+007	0.1745	1.4908	0.6344	9.5200e-003		0.1205	0.1205		0.1205	0.1205	0.0000	1,726.5580	1,726.5580	0.0331	0.0317	1,737.0655
Total		0.1957	1.6722	0.7116	0.0107		0.1352	0.1352		0.1352	0.1352	0.0000	1,936.5572	1,936.5572	0.0371	0.0355	1,948.3427

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.34382e+006	390.9339	0.0177	3.6600e-003	392.4388
Single Family Housing	6.48589e+006	1,886.8186	0.0853	0.0177	1,894.0823
Total		2,277.7525	0.1030	0.0213	2,286.5211

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.34382e+006	390.9339	0.0177	3.6600e-003	392.4388
Single Family Housing	6.48589e+006	1,886.8186	0.0853	0.0177	1,894.0823
Total		2,277.7525	0.1030	0.0213	2,286.5211

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths
- 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	8.8366	0.1095	9.4943	5.0000e-004		0.0584	0.0584		0.0583	0.0583	0.0000	95.5265	95.5265	0.0164	1.4700e-003	96.3244
Unmitigated	15.8495	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.4189					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.8719					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.2748	0.1178	9.6341	0.0101		1.4037	1.4037		1.4036	1.4036	147.4309	45.2019	192.6328	0.3167	7.8800e-003	201.7253
Landscaping	0.2840	0.1095	9.4938	5.0000e-004		0.0528	0.0528		0.0528	0.0528	0.0000	15.5491	15.5491	0.0148	0.0000	15.8602
Total	15.8496	0.2272	19.1279	0.0106		1.4565	1.4565		1.4564	1.4564	147.4309	60.7510	208.1819	0.3315	7.8800e-003	217.5855

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	1.2612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.2834					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.0800e-003	0.0000	4.4000e-004	0.0000		5.5800e-003	5.5800e-003		5.5200e-003	5.5200e-003	0.0000	79.9774	79.9774	1.5300e-003	1.4700e-003	80.4642
Landscaping	0.2840	0.1095	9.4938	5.0000e-004		0.0528	0.0528		0.0528	0.0528	0.0000	15.5491	15.5491	0.0148	0.0000	15.8602
Total	8.8366	0.1095	9.4943	5.0000e-004		0.0584	0.0584		0.0583	0.0583	0.0000	95.5265	95.5265	0.0163	1.4700e-003	96.3244

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	211.5983	2.7301	0.0660	289.3900
Mitigated	211.5983	2.7296	0.0659	289.3478

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	23.7812 / 14.9925	60.2445	0.7773	0.0188	82.3926
Single Family Housing	59.7462 / 37.6661	151.3539	1.9528	0.0472	206.9974
Total		211.5983	2.7301	0.0660	289.3900

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	23.7812 / 14.9925	60.2445	0.7772	0.0188	82.3806
Single Family Housing	59.7462 / 37.6661	151.3539	1.9525	0.0471	206.9672
Total		211.5983	2.7296	0.0659	289.3478

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	257.7092	15.2302	0.0000	577.5429
Unmitigated	257.7092	15.2302	0.0000	577.5429

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	167.9	34.0822	2.0142	0.0000	76.3804
Single Family Housing	1101.66	223.6270	13.2160	0.0000	501.1626
Total		257.7092	15.2302	0.0000	577.5429

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	167.9	34.0822	2.0142	0.0000	76.3804
Single Family Housing	1101.66	223.6270	13.2160	0.0000	501.1626
Total		257.7092	15.2302	0.0000	577.5429

9.0 Operational Offroad

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

10.0 Vegetation

**Pittsburg Tuscan Meadows
Model Assumptions – Project Features**

CONSTRUCTION

- Construction emissions modeled separately from operational emissions
- Construction of the proposed project was anticipated to commence in March 2015 and would be carried out in approximately 15 one-year phases.
 - Only one, one-year phase of construction was modeled to determine the maximum pounds per day emissions associated with each of the identical one-year phases.
 - In order to present a conservative analysis, the first one-year phase was modeled.
- Assumed total units and acreage divided by 15 for first phase of construction
- Approximately 10 acres disturbed during grading per phase
- Includes compliance with BAAQMD recommended Basic Construction Mitigation Measures
 - Watering 2 times per day
 - 15 mph vehicle speeds on unpaved roads

OPERATIONS

Traffic:

- Increase Density
 - 15.88 du/ac (average of SFR and MRF densities)
- Increase Transit Accessibility
 - Approx. 0.28- mile to nearest bus stop
- Improve Pedestrian Network
 - Project site and connecting off-site

Area:

- Use Low VOC paints (100 g/L) (per BAAQMD regulations and rules)
- Use Low VOC Cleaning Supplies (regulated by BAAQMD regulations and rules)
- Natural Gas Hearths Only (per BAAQMD regulations and rules)

GHG

- Same assumptions as for operations above
- Utilized 3.1 persons per household per City General Plan Land Use Element
 - 1,282 du for project x 3.1 persons/du = 3,975 total service population