

Belle Salici- Air Quality

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.00	1000sqft	0.00	1,000.00	0
Apartments Low Rise	19.00	Dwelling Unit	1.00	19,000.00	54

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2017
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 - Site acreage
- Construction Phase - Architectural Coating
- Demolition - Vacant building square footage
- Grading - total project area = 0.996 acres
- Vehicle Trips - Per ITE Trip Rates
- Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	250.00
tblConstructionPhase	NumDays	5.00	100.00
tblGrading	AcresOfGrading	0.75	1.00
tblGrading	AcresOfGrading	0.50	0.00
tblGrading	MaterialImported	0.00	578.00
tblLandUse	LotAcreage	0.02	0.00
tblLandUse	LotAcreage	1.19	1.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	WD_TR	11.01	11.03

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	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						
Energy	6.5600e-003	0.0564				4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003						
Mobile	0.4984	1.0456			0.7009	0.0143	0.7153	0.1875	0.0132	0.2007						
Total	9.5332	1.4751			0.7009	3.8367	4.5377	0.1875	3.8354	4.0229						

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	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						
Energy	5.2700e-003	0.0453				3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003						
Mobile	0.4984	1.0456			0.7009	0.0143	0.7153	0.1875	0.0132	0.2007						
Total	9.5319	1.4640			0.7009	3.8358	4.5368	0.1875	3.8345	4.0220						

	ROG	NOx	CO	SO2	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	0.01	0.75	0.00	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	11/1/2016	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.996

Acres of Paving: 0

Residential Indoor: 38,475; Residential Outdoor: 12,825; Non-Residential Indoor: 1,500; Non-Residential Outdoor: 500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	12.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	72.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	14.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2536	0.0000	0.2536	0.0384	0.0000	0.0384						
Off-Road	2.9066	28.2579				1.7445	1.7445		1.6328	1.6328						
Total	2.9066	28.2579			0.2536	1.7445	1.9981	0.0384	1.6328	1.6712						

3.2 Demolition - 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	0.0259	0.3461			0.0209	4.6700e-003	0.0256	5.7200e-003	4.2900e-003	0.0100						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0527	0.0631			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0787	0.4092			0.1435	5.6600e-003	0.1492	0.0382	5.1900e-003	0.0434						

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2536	0.0000	0.2536	0.0384	0.0000	0.0384						
Off-Road	2.9066	28.2579				1.7445	1.7445		1.6328	1.6328						
Total	2.9066	28.2579			0.2536	1.7445	1.9981	0.0384	1.6328	1.6712						

3.2 Demolition - 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	0.0259	0.3461			0.0209	4.6700e-003	0.0256	5.7200e-003	4.2900e-003	0.0100						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0527	0.0631			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0787	0.4092			0.1435	5.6600e-003	0.1492	0.0382	5.1900e-003	0.0434						

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.2693	0.0000	5.2693	2.8965	0.0000	2.8965						
Off-Road	2.4428	25.7718				1.3985	1.3985		1.2866	1.2866						
Total	2.4428	25.7718			5.2693	1.3985	6.6678	2.8965	1.2866	4.1830						

3.3 Site Preparation - 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						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0325	0.0389			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						
Total	0.0325	0.0389			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						

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					5.2693	0.0000	5.2693	2.8965	0.0000	2.8965						
Off-Road	2.4428	25.7718				1.3985	1.3985		1.2866	1.2866						
Total	2.4428	25.7718			5.2693	1.3985	6.6678	2.8965	1.2866	4.1830						

3.3 Site Preparation - 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						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0325	0.0389			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						
Total	0.0325	0.0389			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0774	0.0000	5.0774	2.5447	0.0000	2.5447						
Off-Road	1.9908	21.0361				1.1407	1.1407		1.0494	1.0494						
Total	1.9908	21.0361			5.0774	1.1407	6.2181	2.5447	1.0494	3.5941						

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7772	10.3816			0.6272	0.1401	0.7673	0.1717	0.1288	0.3006						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0325	0.0389			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						
Total	0.8096	10.4204			0.7027	0.1407	0.8434	0.1918	0.1294	0.3211						

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					5.0774	0.0000	5.0774	2.5447	0.0000	2.5447						
Off-Road	1.9908	21.0361				1.1407	1.1407		1.0494	1.0494						
Total	1.9908	21.0361			5.0774	1.1407	6.2181	2.5447	1.0494	3.5941						

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7772	10.3816			0.6272	0.1401	0.7673	0.1717	0.1288	0.3006						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0325	0.0389			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						
Total	0.8096	10.4204			0.7027	0.1407	0.8434	0.1918	0.1294	0.3211						

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0226	0.1938			0.0133	2.9800e-003	0.0163	3.8000e-003	2.7400e-003	6.5300e-003						
Worker	0.0568	0.0680			0.1320	1.0600e-003	0.1331	0.0350	9.7000e-004	0.0360						
Total	0.0794	0.2618			0.1453	4.0400e-003	0.1494	0.0388	3.7100e-003	0.0425						

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0226	0.1938			0.0133	2.9800e-003	0.0163	3.8000e-003	2.7400e-003	6.5300e-003						
Worker	0.0568	0.0680			0.1320	1.0600e-003	0.1331	0.0350	9.7000e-004	0.0360						
Total	0.0794	0.2618			0.1453	4.0400e-003	0.1494	0.0388	3.7100e-003	0.0425						

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0527	0.0631			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0527	0.0631			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0527	0.0631			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0527	0.0631			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.1761					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.3685	2.3722				0.1966	0.1966		0.1966	0.1966						
Total	6.5446	2.3722				0.1966	0.1966		0.1966	0.1966						

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0122	0.0146			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003						
Total	0.0122	0.0146			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003						

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	6.1761					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.3685	2.3722				0.1966	0.1966		0.1966	0.1966						
Total	6.5446	2.3722				0.1966	0.1966		0.1966	0.1966						

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0122	0.0146			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003						
Total	0.0122	0.0146			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003						

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	0.4984	1.0456			0.7009	0.0143	0.7153	0.1875	0.0132	0.2007						
Unmitigated	0.4984	1.0456			0.7009	0.0143	0.7153	0.1875	0.0132	0.2007						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	125.21	136.04	115.33	279,818	279,818
General Office Building	11.03	2.37	0.98	19,972	19,972
Total	136.24	138.41	116.31	299,789	299,789

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546114	0.062902	0.174648	0.122995	0.034055	0.004856	0.015640	0.024397	0.002087	0.003279	0.006673	0.000688	0.001667

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	5.2700e-003	0.0453				3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003							
NaturalGas Unmitigated	6.5600e-003	0.0564				4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003							

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	561.227	6.0500e-003	0.0517				4.1800e-003	4.1800e-003		4.1800e-003	4.1800e-003						
General Office Building	47.1781	5.1000e-004	4.6300e-003				3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004						
Total		6.5600e-003	0.0564				4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003						

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	0.453429	4.8900e-003	0.0418				3.3800e-003	3.3800e-003		3.3800e-003	3.3800e-003						
General Office Building	0.0354247	3.8000e-004	3.4700e-003				2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004						
Total		5.2700e-003	0.0453				3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003						

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	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						
Unmitigated	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						

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	0.0761					0.0000	0.0000		0.0000	0.0000							
Consumer Products	0.4280					0.0000	0.0000		0.0000	0.0000							
Hearth	8.4748	0.3547				3.8092	3.8092		3.8091	3.8091							
Landscaping	0.0493	0.0185				8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003							
Total	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177							

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	0.0761					0.0000	0.0000		0.0000	0.0000							
Consumer Products	0.4280					0.0000	0.0000		0.0000	0.0000							
Hearth	8.4748	0.3547				3.8092	3.8092		3.8091	3.8091							
Landscaping	0.0493	0.0185				8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003							
Total	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177							

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Belle Salici- Air Quality
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.00	1000sqft	0.00	1,000.00	0
Apartments Low Rise	19.00	Dwelling Unit	1.00	19,000.00	54

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2017
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 - Site acreage
- Construction Phase - Architectural Coating
- Demolition - Vacant building square footage
- Grading - total project area = 0.996 acres
- Vehicle Trips - Per ITE Trip Rates
- Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	250.00
tblConstructionPhase	NumDays	5.00	100.00
tblGrading	AcresOfGrading	0.75	1.00
tblGrading	AcresOfGrading	0.50	0.00
tblGrading	MaterialImported	0.00	578.00
tblLandUse	LotAcreage	0.02	0.00
tblLandUse	LotAcreage	1.19	1.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	WD_TR	11.01	11.03

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	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						
Energy	6.5600e-003	0.0564				4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003						
Mobile	0.5261	1.1609			0.7009	0.0144	0.7154	0.1875	0.0133	0.2008						
Total	9.5609	1.5903			0.7009	3.8368	4.5377	0.1875	3.8355	4.0230						

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	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						
Energy	5.2700e-003	0.0453				3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003						
Mobile	0.5261	1.1609			0.7009	0.0144	0.7154	0.1875	0.0133	0.2008						
Total	9.5596	1.5793			0.7009	3.8359	4.5368	0.1875	3.8346	4.0221						

	ROG	NOx	CO	SO2	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	0.01	0.70	0.00	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	11/1/2016	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.996

Acres of Paving: 0

Residential Indoor: 38,475; Residential Outdoor: 12,825; Non-Residential Indoor: 1,500; Non-Residential Outdoor: 500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	12.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	72.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	14.00	2.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2536	0.0000	0.2536	0.0384	0.0000	0.0384						
Off-Road	2.9066	28.2579				1.7445	1.7445		1.6328	1.6328						
Total	2.9066	28.2579			0.2536	1.7445	1.9981	0.0384	1.6328	1.6712						

3.2 Demolition - 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	0.0311	0.3647			0.0209	4.6800e-003	0.0256	5.7200e-003	4.3100e-003	0.0100						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0530	0.0781			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0841	0.4428			0.1435	5.6700e-003	0.1492	0.0382	5.2100e-003	0.0435						

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2536	0.0000	0.2536	0.0384	0.0000	0.0384						
Off-Road	2.9066	28.2579				1.7445	1.7445		1.6328	1.6328						
Total	2.9066	28.2579			0.2536	1.7445	1.9981	0.0384	1.6328	1.6712						

3.2 Demolition - 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	0.0311	0.3647			0.0209	4.6800e-003	0.0256	5.7200e-003	4.3100e-003	0.0100						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0530	0.0781			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0841	0.4428			0.1435	5.6700e-003	0.1492	0.0382	5.2100e-003	0.0435						

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.2693	0.0000	5.2693	2.8965	0.0000	2.8965						
Off-Road	2.4428	25.7718				1.3985	1.3985		1.2866	1.2866						
Total	2.4428	25.7718			5.2693	1.3985	6.6678	2.8965	1.2866	4.1830						

3.3 Site Preparation - 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						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0326	0.0481			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						
Total	0.0326	0.0481			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						

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					5.2693	0.0000	5.2693	2.8965	0.0000	2.8965						
Off-Road	2.4428	25.7718				1.3985	1.3985		1.2866	1.2866						
Total	2.4428	25.7718			5.2693	1.3985	6.6678	2.8965	1.2866	4.1830						

3.3 Site Preparation - 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						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0326	0.0481			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						
Total	0.0326	0.0481			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0774	0.0000	5.0774	2.5447	0.0000	2.5447						
Off-Road	1.9908	21.0361				1.1407	1.1407		1.0494	1.0494						
Total	1.9908	21.0361			5.0774	1.1407	6.2181	2.5447	1.0494	3.5941						

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9334	10.9413			0.6272	0.1405	0.7677	0.1717	0.1292	0.3009						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0326	0.0481			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206						
Total	0.9660	10.9894			0.7027	0.1411	0.8438	0.1918	0.1298	0.3215						

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					5.0774	0.0000	5.0774	2.5447	0.0000	2.5447						
Off-Road	1.9908	21.0361				1.1407	1.1407		1.0494	1.0494						
Total	1.9908	21.0361			5.0774	1.1407	6.2181	2.5447	1.0494	3.5941						

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.9334	10.9413			0.6272	0.1405	0.7677	0.1717	0.1292	0.3009							
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0326	0.0481			0.0754	6.1000e-004	0.0761	0.0200	5.6000e-004	0.0206							
Total	0.9660	10.9894			0.7027	0.1411	0.8438	0.1918	0.1298	0.3215							

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0287	0.2029			0.0133	3.0100e-003	0.0163	3.8000e-003	2.7600e-003	6.5600e-003						
Worker	0.0571	0.0841			0.1320	1.0600e-003	0.1331	0.0350	9.7000e-004	0.0360						
Total	0.0858	0.2871			0.1453	4.0700e-003	0.1494	0.0388	3.7300e-003	0.0426						

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0287	0.2029			0.0133	3.0100e-003	0.0163	3.8000e-003	2.7600e-003	6.5600e-003						
Worker	0.0571	0.0841			0.1320	1.0600e-003	0.1331	0.0350	9.7000e-004	0.0360						
Total	0.0858	0.2871			0.1453	4.0700e-003	0.1494	0.0388	3.7300e-003	0.0426						

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						

3.6 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0530	0.0781			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0530	0.0781			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438						

3.6 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0530	0.0781			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						
Total	0.0530	0.0781			0.1226	9.9000e-004	0.1236	0.0325	9.0000e-004	0.0334						

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.1761					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.3685	2.3722				0.1966	0.1966		0.1966	0.1966						
Total	6.5446	2.3722				0.1966	0.1966		0.1966	0.1966						

3.7 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0122	0.0180			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003						
Total	0.0122	0.0180			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003						

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	6.1761					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.3685	2.3722				0.1966	0.1966		0.1966	0.1966						
Total	6.5446	2.3722				0.1966	0.1966		0.1966	0.1966						

3.7 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0122	0.0180			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003							
Total	0.0122	0.0180			0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7100e-003							

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	0.5261	1.1609			0.7009	0.0144	0.7154	0.1875	0.0133	0.2008							
Unmitigated	0.5261	1.1609			0.7009	0.0144	0.7154	0.1875	0.0133	0.2008							

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	125.21	136.04	115.33	279,818	279,818
General Office Building	11.03	2.37	0.98	19,972	19,972
Total	136.24	138.41	116.31	299,789	299,789

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546114	0.062902	0.174648	0.122995	0.034055	0.004856	0.015640	0.024397	0.002087	0.003279	0.006673	0.000688	0.001667

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	5.2700e-003	0.0453				3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003							
NaturalGas Unmitigated	6.5600e-003	0.0564				4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003							

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	561.227	6.0500e-003	0.0517				4.1800e-003	4.1800e-003		4.1800e-003	4.1800e-003						
General Office Building	47.1781	5.1000e-004	4.6300e-003				3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004						
Total		6.5600e-003	0.0564				4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003						

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	0.453429	4.8900e-003	0.0418				3.3800e-003	3.3800e-003		3.3800e-003	3.3800e-003							
General Office Building	0.0354247	3.8000e-004	3.4700e-003				2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004							
Total		5.2700e-003	0.0453				3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003							

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	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						
Unmitigated	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						

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	0.0761					0.0000	0.0000		0.0000	0.0000							
Consumer Products	0.4280					0.0000	0.0000		0.0000	0.0000							
Hearth	8.4748	0.3547				3.8092	3.8092		3.8091	3.8091							
Landscaping	0.0493	0.0185				8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003							
Total	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177							

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	0.0761					0.0000	0.0000		0.0000	0.0000						
Consumer Products	0.4280					0.0000	0.0000		0.0000	0.0000						
Hearth	8.4748	0.3547				3.8092	3.8092		3.8091	3.8091						
Landscaping	0.0493	0.0185				8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003						
Total	9.0283	0.3731				3.8178	3.8178		3.8177	3.8177						

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Belle Salici- Air Quality Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	1	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	2	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	1	No Change	0.00
Rollers	Diesel	No Change	0	1	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	3	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	7	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	1.84200E-002	1.18610E-001			9.83000E-003	9.83000E-003						
Cement and Mortar Mixers	1.10000E-004	6.90000E-004			3.00000E-005	3.00000E-005						
Concrete/Industrial Saws	3.23000E-003	2.31100E-002			1.74000E-003	1.74000E-003						
Cranes	2.70000E-002	3.19930E-001			1.45200E-002	1.33600E-002						
Forklifts	8.51000E-003	7.32500E-002			6.12000E-003	5.63000E-003						
Generator Sets	3.19600E-002	2.41740E-001			1.69400E-002	1.69400E-002						
Graders	1.27000E-003	1.29700E-002			7.30000E-004	6.70000E-004						
Pavers	7.50000E-004	8.46000E-003			4.20000E-004	3.90000E-004						
Paving Equipment	7.70000E-004	8.92000E-003			4.40000E-004	4.10000E-004						
Rollers	7.40000E-004	6.81000E-003			5.00000E-004	4.60000E-004						
Rubber Tired Dozers	7.66000E-003	8.58200E-002			3.99000E-003	3.67000E-003						
Tractors/Loaders/Backhoes	1.92000E-002	1.83500E-001			1.41300E-002	1.30000E-002						
Welders	8.43300E-002	2.70310E-001			2.13000E-002	2.13000E-002						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr						Mitigated mt/yr						
Air Compressors	1.84200E-002	1.18610E-001			9.83000E-003	9.83000E-003						
Cement and Mortar Mixers	1.10000E-004	6.90000E-004			3.00000E-005	3.00000E-005						
Concrete/Industrial Saws	3.23000E-003	2.31100E-002			1.74000E-003	1.74000E-003						
Cranes	2.70000E-002	3.19930E-001			1.45200E-002	1.33600E-002						
Forklifts	8.51000E-003	7.32500E-002			6.12000E-003	5.63000E-003						
Generator Sets	3.19600E-002	2.41740E-001			1.69400E-002	1.69400E-002						
Graders	1.27000E-003	1.29700E-002			7.30000E-004	6.70000E-004						
Pavers	7.50000E-004	8.46000E-003			4.20000E-004	3.90000E-004						
Paving Equipment	7.70000E-004	8.92000E-003			4.40000E-004	4.10000E-004						
Rollers	7.40000E-004	6.81000E-003			5.00000E-004	4.60000E-004						
Rubber Tired Dozers	7.66000E-003	8.58200E-002			3.99000E-003	3.67000E-003						
Tractors/Loaders/Backhoes	1.92000E-002	1.83500E-001			1.41300E-002	1.30000E-002						
Welders	8.43300E-002	2.70310E-001			2.13000E-002	2.13000E-002						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.01	0.00	0.01	0.00	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	19.33	19.65	0.00	0.00	18.29	18.29	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.04	0.21		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	25.00	
No	Install High Efficiency Lighting	0.00	
No	On-site Renewable	0.00	0.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	