

APPENDIX C

California Emissions Estimator Model Results

Canyon Lane Project - San Mateo County, Annual

Canyon Lane Project
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	22.00	1000sqft	1.00	22,000.00	0
Single Family Housing	1.00	Dwelling Unit	0.38	4,221.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2020
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

Canyon Lane Project - San Mateo County, Annual

Project Characteristics -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - from equipment roster

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Based on the number of workers per phase

Grading -

Architectural Coating - Exterior and interior of residence would be painted

Area Coating - Exterior and interior of residence would be painted

Land Use Change -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,320.00	0.00
tblAreaCoating	Area_Parking	1320	0
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	4.00	27.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	10.00
tblLandUse	LandUseSquareFeet	1,800.00	4,221.00
tblLandUse	LotAcreage	0.51	1.00
tblLandUse	LotAcreage	0.32	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Canyon Lane Project - San Mateo County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00

2.0 Emissions Summary

Canyon Lane Project - San Mateo County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2019	6-30-2019	1.0031	1.0031
2	7-1-2019	9-30-2019	0.5724	0.5724
		Highest	1.0031	1.0031

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0270	2.2000e-004	0.0162	2.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.1271	0.0437	0.1708	2.5000e-004	1.0000e-005	0.1793
Energy	2.3000e-004	1.9500e-003	8.3000e-004	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	6.8208	6.8208	2.5000e-004	8.0000e-005	6.8521
Mobile	2.4800e-003	7.9000e-003	0.0280	9.0000e-005	8.0900e-003	1.0000e-004	8.1900e-003	2.1700e-003	9.0000e-005	2.2700e-003	0.0000	8.2845	8.2845	3.1000e-004	0.0000	8.2923
Waste						0.0000	0.0000		0.0000	0.0000	0.2558	0.0000	0.2558	0.0151	0.0000	0.6337
Water						0.0000	0.0000		0.0000	0.0000	0.0207	0.1444	0.1651	2.1300e-003	5.0000e-005	0.2336
Total	0.0297	0.0101	0.0450	1.2000e-004	8.0900e-003	1.5400e-003	9.6300e-003	2.1700e-003	1.5300e-003	3.7100e-003	0.4036	15.2934	15.6969	0.0181	1.4000e-004	16.1910

Canyon Lane Project - San Mateo County, Annual

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-66.6000
Total	-66.6000

3.0 Construction Detail

Construction Phase

Canyon Lane Project - San Mateo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Tree Removal Protection Erosion Control	Site Preparation	4/1/2019	4/12/2019	5	10	Lay down construction entrances, remove trees, install tree protective fencing, install erosion control devices
2	Roadway Construction	Grading	4/15/2019	5/10/2019	5	20	Surveying, excavation and off-haul to sub-grade level base rock , construct headwalls and install pre-fabricated bridge
3	Utility Work	Trenching	5/13/2019	6/21/2019	5	30	Hydro static testing, bac-ted flush, and watermain connection, install joint trench
4	Building Site Work	Grading	6/24/2019	7/30/2019	5	27	Excavate and off-haul to subgrade, site wall structures and foundation work, framing, roofing, and finish work, utility rough in/site work, building finish, interior work and landscaping
5	Building coating	Architectural Coating	7/22/2019	7/30/2019	5	5	Paint building
6	Final Pavement	Paving	7/31/2019	8/6/2019	5	5	Prepare and fine tune roadway base rock to grade, place roadway roadway striping after adequate cure time, remove temporary fencing

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1

Residential Indoor: 8,548; Residential Outdoor: 2,849; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Tree Removal Protection Erosion Control	Dumpers/Tenders	1	8.00	16	0.38
Tree Removal Protection Erosion Control	Excavators	1	8.00	158	0.38
Tree Removal Protection Erosion Control	Off-Highway Trucks	1	8.00	402	0.38

Canyon Lane Project - San Mateo County, Annual

Tree Removal Protection Erosion Control	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Cranes	1	8.00	231	0.29
Roadway Construction	Dumpers/Tenders	4	8.00	16	0.38
Roadway Construction	Excavators	1	8.00	158	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Rollers	1	8.00	80	0.38
Utility Work	Dumpers/Tenders	2	8.00	16	0.38
Utility Work	Excavators	3	8.00	158	0.38
Utility Work	Off-Highway Trucks	1	8.00	402	0.38
Utility Work	Off-Highway Trucks	1	8.00	402	0.38
Utility Work	Other Construction Equipment	1	8.00	172	0.42
Building Site Work	Dumpers/Tenders	1	8.00	16	0.38
Building Site Work	Excavators	1	8.00	158	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Other Construction Equipment	1	8.00	172	0.42
Building coating	Air Compressors	1	8.00	78	0.48
Final Pavement	Dumpers/Tenders	1	8.00	16	0.38
Final Pavement	Off-Highway Trucks	1	8.00	402	0.38
Final Pavement	Off-Highway Trucks	1	8.00	402	0.38
Final Pavement	Other Construction Equipment	1	8.00	172	0.42
Final Pavement	Pavers	1	6.00	130	0.42
Final Pavement	Paving Equipment	1	8.00	132	0.36

Canyon Lane Project - San Mateo County, Annual

Final Pavement	Rollers	1	7.00	80	0.38
----------------	---------	---	------	----	------

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Tree Removal	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Protection Erosion Co										
Roadway Construction	10	20.00	2.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Work	8	20.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Site Work	7	16.00	4.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building coating	1	2.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Pavement	7	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Tree Removal Protection Erosion Control - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7700e-003	0.0876	0.0575	1.6000e-004		3.3500e-003	3.3500e-003		3.0900e-003	3.0900e-003	0.0000	14.4584	14.4584	4.5200e-003	0.0000	14.5713
Total	8.7700e-003	0.0876	0.0575	1.6000e-004	0.0000	3.3500e-003	3.3500e-003	0.0000	3.0900e-003	3.0900e-003	0.0000	14.4584	14.4584	4.5200e-003	0.0000	14.5713

Canyon Lane Project - San Mateo County, Annual

3.2 Tree Removal Protection Erosion Control - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.0700e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3385	0.3385	1.0000e-005	0.0000	0.3387
Total	1.5000e-004	1.0000e-004	1.0700e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3385	0.3385	1.0000e-005	0.0000	0.3387

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7700e-003	0.0876	0.0575	1.6000e-004		3.3500e-003	3.3500e-003		3.0900e-003	3.0900e-003	0.0000	14.4584	14.4584	4.5200e-003	0.0000	14.5713
Total	8.7700e-003	0.0876	0.0575	1.6000e-004	0.0000	3.3500e-003	3.3500e-003	0.0000	3.0900e-003	3.0900e-003	0.0000	14.4584	14.4584	4.5200e-003	0.0000	14.5713

Canyon Lane Project - San Mateo County, Annual

3.2 Tree Removal Protection Erosion Control - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.0700e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3385	0.3385	1.0000e-005	0.0000	0.3387
Total	1.5000e-004	1.0000e-004	1.0700e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3385	0.3385	1.0000e-005	0.0000	0.3387

3.3 Roadway Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0000e-004	0.0000	6.0000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0342	0.3436	0.2046	5.6000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	49.9766	49.9766	0.0154	0.0000	50.3603
Total	0.0342	0.3436	0.2046	5.6000e-004	6.0000e-004	0.0139	0.0145	7.0000e-005	0.0128	0.0129	0.0000	49.9766	49.9766	0.0154	0.0000	50.3603

Canyon Lane Project - San Mateo County, Annual

3.3 Roadway Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0500e-003	4.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2542	0.2542	3.0000e-005	0.0000	0.2549
Vendor	1.0000e-004	2.5500e-003	9.8000e-004	1.0000e-005	1.3000e-004	2.0000e-005	1.5000e-004	4.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.5350	0.5350	5.0000e-005	0.0000	0.5362
Worker	5.9000e-004	4.2000e-004	4.2900e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3541	1.3541	3.0000e-005	0.0000	1.3548
Total	7.2000e-004	4.0200e-003	5.6700e-003	2.0000e-005	1.7500e-003	3.0000e-005	1.7800e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	2.1432	2.1432	1.1000e-004	0.0000	2.1459

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0342	0.3436	0.2046	5.6000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	49.9765	49.9765	0.0154	0.0000	50.3603
Total	0.0342	0.3436	0.2046	5.6000e-004	2.7000e-004	0.0139	0.0141	3.0000e-005	0.0128	0.0129	0.0000	49.9765	49.9765	0.0154	0.0000	50.3603

Canyon Lane Project - San Mateo County, Annual

3.3 Roadway Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0500e-003	4.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2542	0.2542	3.0000e-005	0.0000	0.2549
Vendor	1.0000e-004	2.5500e-003	9.8000e-004	1.0000e-005	1.3000e-004	2.0000e-005	1.5000e-004	4.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.5350	0.5350	5.0000e-005	0.0000	0.5362
Worker	5.9000e-004	4.2000e-004	4.2900e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3541	1.3541	3.0000e-005	0.0000	1.3548
Total	7.2000e-004	4.0200e-003	5.6700e-003	2.0000e-005	1.7500e-003	3.0000e-005	1.7800e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	2.1432	2.1432	1.1000e-004	0.0000	2.1459

3.4 Utility Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.4351	0.3365	7.4000e-004		0.0187	0.0187		0.0172	0.0172	0.0000	66.4449	66.4449	0.0207	0.0000	66.9618
Total	0.0431	0.4351	0.3365	7.4000e-004		0.0187	0.0187		0.0172	0.0172	0.0000	66.4449	66.4449	0.0207	0.0000	66.9618

Canyon Lane Project - San Mateo County, Annual

3.4 Utility Work - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	3.8300e-003	1.4700e-003	1.0000e-005	2.0000e-004	3.0000e-005	2.2000e-004	6.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.8025	0.8025	7.0000e-005	0.0000	0.8043
Worker	8.9000e-004	6.2000e-004	6.4400e-003	2.0000e-005	2.3600e-003	2.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	2.0311	2.0311	4.0000e-005	0.0000	2.0322
Total	1.0300e-003	4.4500e-003	7.9100e-003	3.0000e-005	2.5600e-003	5.0000e-005	2.6000e-003	6.9000e-004	4.0000e-005	7.2000e-004	0.0000	2.8336	2.8336	1.1000e-004	0.0000	2.8365

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	0.0431	0.4351	0.3365	7.4000e-004		0.0187	0.0187		0.0172	0.0172	0.0000	66.4448	66.4448	0.0207	0.0000	66.9617
Total	0.0431	0.4351	0.3365	7.4000e-004		0.0187	0.0187		0.0172	0.0172	0.0000	66.4448	66.4448	0.0207	0.0000	66.9617

Canyon Lane Project - San Mateo County, Annual

3.4 Utility Work - 2019

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	1.4000e-004	3.8300e-003	1.4700e-003	1.0000e-005	2.0000e-004	3.0000e-005	2.2000e-004	6.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.8025	0.8025	7.0000e-005	0.0000	0.8043
Worker	8.9000e-004	6.2000e-004	6.4400e-003	2.0000e-005	2.3600e-003	2.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	2.0311	2.0311	4.0000e-005	0.0000	2.0322
Total	1.0300e-003	4.4500e-003	7.9100e-003	3.0000e-005	2.5600e-003	5.0000e-005	2.6000e-003	6.9000e-004	4.0000e-005	7.2000e-004	0.0000	2.8336	2.8336	1.1000e-004	0.0000	2.8365

3.5 Building Site Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1000e-004	0.0000	2.1000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0499	0.5070	0.3193	8.8000e-004		0.0201	0.0201		0.0185	0.0185	0.0000	78.5661	78.5661	0.0247	0.0000	79.1836
Total	0.0499	0.5070	0.3193	8.8000e-004	2.1000e-004	0.0201	0.0203	2.0000e-005	0.0185	0.0186	0.0000	78.5661	78.5661	0.0247	0.0000	79.1836

Canyon Lane Project - San Mateo County, Annual

3.5 Building Site Work - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.7000e-004	7.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0424	0.0424	1.0000e-005	0.0000	0.0425
Vendor	2.6000e-004	6.8900e-003	2.6500e-003	1.0000e-005	3.5000e-004	5.0000e-005	4.0000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.4445	1.4445	1.3000e-004	0.0000	1.4477
Worker	6.4000e-004	4.5000e-004	4.6300e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.4624	1.4624	3.0000e-005	0.0000	1.4632
Total	9.1000e-004	7.5100e-003	7.3500e-003	3.0000e-005	2.0600e-003	6.0000e-005	2.1200e-003	5.5000e-004	6.0000e-005	6.1000e-004	0.0000	2.9493	2.9493	1.7000e-004	0.0000	2.9534

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0000e-005	0.0000	9.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0499	0.5070	0.3193	8.8000e-004		0.0201	0.0201		0.0185	0.0185	0.0000	78.5660	78.5660	0.0247	0.0000	79.1835
Total	0.0499	0.5070	0.3193	8.8000e-004	9.0000e-005	0.0201	0.0202	1.0000e-005	0.0185	0.0185	0.0000	78.5660	78.5660	0.0247	0.0000	79.1835

Canyon Lane Project - San Mateo County, Annual

3.5 Building Site Work - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.7000e-004	7.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0424	0.0424	1.0000e-005	0.0000	0.0425
Vendor	2.6000e-004	6.8900e-003	2.6500e-003	1.0000e-005	3.5000e-004	5.0000e-005	4.0000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.4445	1.4445	1.3000e-004	0.0000	1.4477
Worker	6.4000e-004	4.5000e-004	4.6300e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.4624	1.4624	3.0000e-005	0.0000	1.4632
Total	9.1000e-004	7.5100e-003	7.3500e-003	3.0000e-005	2.0600e-003	6.0000e-005	2.1200e-003	5.5000e-004	6.0000e-005	6.1000e-004	0.0000	2.9493	2.9493	1.7000e-004	0.0000	2.9534

3.6 Building coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.5700e-003	8.5900e-003	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	1.1915	1.1915	1.0000e-004	0.0000	1.1940
Total	0.0428	8.5700e-003	8.5900e-003	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	1.1915	1.1915	1.0000e-004	0.0000	1.1940

Canyon Lane Project - San Mateo County, Annual

3.6 Building coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	8.9000e-004	3.4000e-004	0.0000	5.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1873	0.1873	2.0000e-005	0.0000	0.1877
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0474	0.0474	0.0000	0.0000	0.0474
Total	5.0000e-005	9.9000e-004	4.9000e-004	0.0000	1.1000e-004	1.0000e-005	1.1000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2346	0.2346	2.0000e-005	0.0000	0.2351

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	0.0416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.5700e-003	8.5900e-003	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	1.1915	1.1915	1.0000e-004	0.0000	1.1940
Total	0.0428	8.5700e-003	8.5900e-003	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	1.1915	1.1915	1.0000e-004	0.0000	1.1940

Canyon Lane Project - San Mateo County, Annual

3.6 Building coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	8.9000e-004	3.4000e-004	0.0000	5.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1873	0.1873	2.0000e-005	0.0000	0.1877
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0474	0.0474	0.0000	0.0000	0.0474
Total	5.0000e-005	9.9000e-004	4.9000e-004	0.0000	1.1000e-004	1.0000e-005	1.1000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2346	0.2346	2.0000e-005	0.0000	0.2351

3.7 Final Pavement - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6100e-003	0.0676	0.0469	1.1000e-004		2.9800e-003	2.9800e-003		2.7500e-003	2.7500e-003	0.0000	9.6801	9.6801	3.0300e-003	0.0000	9.7560
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.9200e-003	0.0676	0.0469	1.1000e-004		2.9800e-003	2.9800e-003		2.7500e-003	2.7500e-003	0.0000	9.6801	9.6801	3.0300e-003	0.0000	9.7560

Canyon Lane Project - San Mateo County, Annual

3.7 Final Pavement - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	8.6000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2708	0.2708	1.0000e-005	0.0000	0.2710
Total	1.2000e-004	8.0000e-005	8.6000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2708	0.2708	1.0000e-005	0.0000	0.2710

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6100e-003	0.0676	0.0469	1.1000e-004		2.9800e-003	2.9800e-003		2.7500e-003	2.7500e-003	0.0000	9.6801	9.6801	3.0300e-003	0.0000	9.7560
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.9200e-003	0.0676	0.0469	1.1000e-004		2.9800e-003	2.9800e-003		2.7500e-003	2.7500e-003	0.0000	9.6801	9.6801	3.0300e-003	0.0000	9.7560

Canyon Lane Project - San Mateo County, Annual

3.7 Final Pavement - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	8.6000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2708	0.2708	1.0000e-005	0.0000	0.2710
Total	1.2000e-004	8.0000e-005	8.6000e-004	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2708	0.2708	1.0000e-005	0.0000	0.2710

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Canyon Lane Project - San Mateo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4800e-003	7.9000e-003	0.0280	9.0000e-005	8.0900e-003	1.0000e-004	8.1900e-003	2.1700e-003	9.0000e-005	2.2700e-003	0.0000	8.2845	8.2845	3.1000e-004	0.0000	8.2923
Unmitigated	2.4800e-003	7.9000e-003	0.0280	9.0000e-005	8.0900e-003	1.0000e-004	8.1900e-003	2.1700e-003	9.0000e-005	2.2700e-003	0.0000	8.2845	8.2845	3.1000e-004	0.0000	8.2923

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Single Family Housing	9.52	9.91	8.62	21,819	21,819
Total	9.52	9.91	8.62	21,819	21,819

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Single Family Housing	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741

Canyon Lane Project - San Mateo County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	4.5622	4.5622	2.1000e-004	4.0000e-005	4.5801
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	4.5622	4.5622	2.1000e-004	4.0000e-005	4.5801
NaturalGas Mitigated	2.3000e-004	1.9500e-003	8.3000e-004	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2586	2.2586	4.0000e-005	4.0000e-005	2.2720
NaturalGas Unmitigated	2.3000e-004	1.9500e-003	8.3000e-004	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2586	2.2586	4.0000e-005	4.0000e-005	2.2720

Canyon Lane Project - San Mateo County, Annual

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	42323.8	2.3000e-004	1.9500e-003	8.3000e-004	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2586	2.2586	4.0000e-005	4.0000e-005	2.2720
Total		2.3000e-004	1.9500e-003	8.3000e-004	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2586	2.2586	4.0000e-005	4.0000e-005	2.2720

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	42323.8	2.3000e-004	1.9500e-003	8.3000e-004	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2586	2.2586	4.0000e-005	4.0000e-005	2.2720
Total		2.3000e-004	1.9500e-003	8.3000e-004	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2586	2.2586	4.0000e-005	4.0000e-005	2.2720

Canyon Lane Project - San Mateo County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	7700	2.2400	1.0000e-004	2.0000e-005	2.2488
Single Family Housing	7982.49	2.3222	1.1000e-004	2.0000e-005	2.3313
Total		4.5622	2.1000e-004	4.0000e-005	4.5801

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	7700	2.2400	1.0000e-004	2.0000e-005	2.2488
Single Family Housing	7982.49	2.3222	1.1000e-004	2.0000e-005	2.3313
Total		4.5622	2.1000e-004	4.0000e-005	4.5801

6.0 Area Detail

6.1 Mitigation Measures Area

Canyon Lane Project - San Mateo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0270	2.2000e-004	0.0162	2.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.1271	0.0437	0.1708	2.5000e-004	1.0000e-005	0.1793
Unmitigated	0.0270	2.2000e-004	0.0162	2.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.1271	0.0437	0.1708	2.5000e-004	1.0000e-005	0.1793

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	2.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0179					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.8900e-003	1.3000e-004	8.5700e-003	2.0000e-005		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.1271	0.0312	0.1583	2.4000e-004	1.0000e-005	0.1665
Landscaping	2.5000e-004	9.0000e-005	7.6500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0125	0.0125	1.0000e-005	0.0000	0.0128
Total	0.0270	2.2000e-004	0.0162	2.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.1271	0.0437	0.1708	2.5000e-004	1.0000e-005	0.1793

Canyon Lane Project - San Mateo County, Annual

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	2.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0179					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.8900e-003	1.3000e-004	8.5700e-003	2.0000e-005		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.1271	0.0312	0.1583	2.4000e-004	1.0000e-005	0.1665
Landscaping	2.5000e-004	9.0000e-005	7.6500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0125	0.0125	1.0000e-005	0.0000	0.0128
Total	0.0270	2.2000e-004	0.0162	2.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.1271	0.0437	0.1708	2.5000e-004	1.0000e-005	0.1793

7.0 Water Detail

7.1 Mitigation Measures Water

Canyon Lane Project - San Mateo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.1651	2.1300e-003	5.0000e-005	0.2336
Unmitigated	0.1651	2.1300e-003	5.0000e-005	0.2336

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.065154 / 0.0410754	0.1651	2.1300e-003	5.0000e-005	0.2336
Total		0.1651	2.1300e-003	5.0000e-005	0.2336

Canyon Lane Project - San Mateo County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.065154 / 0.0410754	0.1651	2.1300e-003	5.0000e-005	0.2336
Total		0.1651	2.1300e-003	5.0000e-005	0.2336

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2558	0.0151	0.0000	0.6337
Unmitigated	0.2558	0.0151	0.0000	0.6337

Canyon Lane Project - San Mateo County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Total		0.2558	0.0151	0.0000	0.6337

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Total		0.2558	0.0151	0.0000	0.6337

9.0 Operational Offroad

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

Canyon Lane Project - San Mateo County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Canyon Lane Project - San Mateo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-66.6000	0.0000	0.0000	-66.6000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Trees	3.3 / 2.7	-66.6000	0.0000	0.0000	-66.6000
Total		-66.6000	0.0000	0.0000	-66.6000

Canyon Lane Project

San Mateo County, 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												
Building 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 Site Work	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Final Pavement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Roadway 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
Tree Removal Protection Erosion Control	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utility Work	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
Cranes	Diesel	No Change	0	1	No Change	0.00
Dumpers/Tenders	Diesel	No Change	0	9	No Change	0.00
Excavators	Diesel	No Change	0	6	No Change	0.00
Off-Highway Trucks	Diesel	No Change	0	13	No Change	0.00
Other Construction Equipment	Diesel	No Change	0	3	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	2	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	1.24000E-003	8.57000E-003	8.59000E-003	1.00000E-005	6.00000E-004	6.00000E-004	0.00000E+000	1.19152E+000	1.19152E+000	1.00000E-004	0.00000E+000	1.19403E+000
Cranes	5.04000E-003	6.00700E-002	2.29300E-002	6.00000E-005	2.55000E-003	2.34000E-003	0.00000E+000	5.18194E+000	5.18194E+000	1.64000E-003	0.00000E+000	5.22292E+000
Dumpers/Tenders	6.69000E-003	4.23600E-002	2.28200E-002	7.00000E-005	1.63000E-003	1.63000E-003	0.00000E+000	5.03086E+000	5.03086E+000	5.40000E-004	0.00000E+000	5.04436E+000
Excavators	1.91600E-002	1.97120E-001	2.39850E-001	3.80000E-004	9.51000E-003	8.75000E-003	0.00000E+000	3.40809E+001	3.40809E+001	1.07800E-002	0.00000E+000	3.43504E+001
Off-Highway Trucks	9.15800E-002	9.27460E-001	5.15580E-001	1.70000E-003	3.37300E-002	3.10300E-002	0.00000E+000	1.53040E+002	1.53040E+002	4.84200E-002	0.00000E+000	1.54250E+002
Other Construction Equipment	1.62700E-002	1.75090E-001	1.28610E-001	1.90000E-004	9.22000E-003	8.48000E-003	0.00000E+000	1.72151E+001	1.72151E+001	5.45000E-003	0.00000E+000	1.73513E+001
Pavers	5.40000E-004	5.86000E-003	5.44000E-003	1.00000E-005	2.90000E-004	2.60000E-004	0.00000E+000	7.91800E-001	7.91800E-001	2.50000E-004	0.00000E+000	7.98060E-001
Paving Equipment	5.30000E-004	5.64000E-003	6.31000E-003	1.00000E-005	2.80000E-004	2.60000E-004	0.00000E+000	9.14710E-001	9.14710E-001	2.90000E-004	0.00000E+000	9.21950E-001
Rollers	2.76000E-003	2.73100E-002	2.32400E-002	3.00000E-005	1.80000E-003	1.65000E-003	0.00000E+000	2.87115E+000	2.87115E+000	9.10000E-004	0.00000E+000	2.89386E+000

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	1.24000E-003	8.57000E-003	8.59000E-003	1.00000E-005	6.00000E-004	6.00000E-004	0.00000E+000	1.19152E+000	1.19152E+000	1.00000E-004	0.00000E+000	1.19403E+000
Cranes	5.04000E-003	6.00700E-002	2.29300E-002	6.00000E-005	2.55000E-003	2.34000E-003	0.00000E+000	5.18193E+000	5.18193E+000	1.64000E-003	0.00000E+000	5.22292E+000
Dumpers/Tenders	6.69000E-003	4.23600E-002	2.28200E-002	7.00000E-005	1.63000E-003	1.63000E-003	0.00000E+000	5.03085E+000	5.03085E+000	5.40000E-004	0.00000E+000	5.04435E+000
Excavators	1.91600E-002	1.97120E-001	2.39850E-001	3.80000E-004	9.51000E-003	8.75000E-003	0.00000E+000	3.40808E+001	3.40808E+001	1.07800E-002	0.00000E+000	3.43504E+001
Off-Highway Trucks	9.15800E-002	9.27450E-001	5.15580E-001	1.70000E-003	3.37300E-002	3.10300E-002	0.00000E+000	1.53039E+002	1.53039E+002	4.84200E-002	0.00000E+000	1.54250E+002
Other Construction Equipment	1.62700E-002	1.75090E-001	1.28610E-001	1.90000E-004	9.22000E-003	8.48000E-003	0.00000E+000	1.72151E+001	1.72151E+001	5.45000E-003	0.00000E+000	1.73512E+001
Pavers	5.40000E-004	5.86000E-003	5.44000E-003	1.00000E-005	2.90000E-004	2.60000E-004	0.00000E+000	7.91800E-001	7.91800E-001	2.50000E-004	0.00000E+000	7.98060E-001
Paving Equipment	5.30000E-004	5.64000E-003	6.31000E-003	1.00000E-005	2.80000E-004	2.60000E-004	0.00000E+000	9.14710E-001	9.14710E-001	2.90000E-004	0.00000E+000	9.21950E-001
Rollers	2.76000E-003	2.73100E-002	2.32400E-002	3.00000E-005	1.80000E-003	1.65000E-003	0.00000E+000	2.87114E+000	2.87114E+000	9.10000E-004	0.00000E+000	2.89385E+000

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
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.92978E-006	1.92978E-006	0.00000E+000	0.00000E+000	0.00000E+000
Dumpers/Tenders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.98773E-006	1.98773E-006	0.00000E+000	0.00000E+000	1.98241E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17368E-006	1.17368E-006	0.00000E+000	0.00000E+000	1.16447E-006
Off-Highway Trucks	0.00000E+000	1.07821E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24151E-006	1.24151E-006	0.00000E+000	0.00000E+000	1.16694E-006
Other Construction Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16177E-006	1.16177E-006	0.00000E+000	0.00000E+000	1.15265E-006
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	3.48292E-006	3.48292E-006	0.00000E+000	0.00000E+000	3.45559E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input	Mitigation Input		
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Building coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Site Work	Fugitive Dust	0.00	0.00	0.00	0.00	0.57	0.50
Building Site Work	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Final Pavement	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Final Pavement	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Roadway Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.55	0.57
Roadway Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Tree Removal Protection Erosion Control	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Tree Removal Protection Erosion Control	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Utility Work	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Utility Work	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	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 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 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.09	0.29		
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	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

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

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	
--	--

Canyon Lane Project - San Mateo County, Summer

Canyon Lane Project
San Mateo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	22.00	1000sqft	1.00	22,000.00	0
Single Family Housing	1.00	Dwelling Unit	0.38	4,221.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2020
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

Canyon Lane Project - San Mateo County, Summer

Project Characteristics -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - from equipment roster

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Based on the number of workers per phase

Grading -

Architectural Coating - Exterior and interior of residence would be painted

Area Coating - Exterior and interior of residence would be painted

Land Use Change -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,320.00	0.00
tblAreaCoating	Area_Parking	1320	0
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	4.00	27.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	10.00
tblLandUse	LandUseSquareFeet	1,800.00	4,221.00
tblLandUse	LotAcreage	0.51	1.00
tblLandUse	LotAcreage	0.32	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Canyon Lane Project - San Mateo County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00

2.0 Emissions Summary

Canyon Lane Project - San Mateo County, Summer

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	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706
Energy	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Mobile	0.0157	0.0433	0.1626	5.5000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		55.2917	55.2917	1.9700e-003		55.3411
Total	1.1704	0.0749	1.5925	3.1500e-003	0.0486	0.1914	0.2400	0.0130	0.1914	0.2044	20.3783	75.2633	95.6417	0.0276	1.6900e-003	96.8345

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	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706
Energy	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Mobile	0.0157	0.0433	0.1626	5.5000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		55.2917	55.2917	1.9700e-003		55.3411
Total	1.1704	0.0749	1.5925	3.1500e-003	0.0486	0.1914	0.2400	0.0130	0.1914	0.2044	20.3783	75.2633	95.6417	0.0276	1.6900e-003	96.8345

Canyon Lane Project - San Mateo County, Summer

	ROG	NOx	CO	SO2	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	Tree Removal Protection Erosion Control	Site Preparation	4/1/2019	4/12/2019	5	10	Lay down construction entrances, remove trees, install tree protective fencing, install erosion control devices
2	Roadway Construction	Grading	4/15/2019	5/10/2019	5	20	Surveying, excavation and off-haul to sub-grade level base rock , construct headwalls and install pre-fabricated bridge
3	Utility Work	Trenching	5/13/2019	6/21/2019	5	30	Hydro static testing, bac-ted flush, and watermain connection, install joint trench
4	Building Site Work	Grading	6/24/2019	7/30/2019	5	27	Excavate and off-haul to subgrade, site wall structures and foundation work, framing, roofing, and finish work, utility rough in/site work, building finish, interior work and landscaping
5	Building coating	Architectural Coating	7/22/2019	7/30/2019	5	5	Paint building
6	Final Pavement	Paving	7/31/2019	8/6/2019	5	5	Prepare and fine tune roadway base rock to grade, place roadway roadway striping after adequate cure time, remove temporary fencing

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1

Canyon Lane Project - San Mateo County, Summer

Residential Indoor: 8,548; Residential Outdoor: 2,849; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Tree Removal Protection Erosion Control	Dumpers/Tenders	1	8.00	16	0.38
Tree Removal Protection Erosion Control	Excavators	1	8.00	158	0.38
Tree Removal Protection Erosion Control	Off-Highway Trucks	1	8.00	402	0.38
Tree Removal Protection Erosion Control	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Cranes	1	8.00	231	0.29
Roadway Construction	Dumpers/Tenders	4	8.00	16	0.38
Roadway Construction	Excavators	1	8.00	158	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Rollers	1	8.00	80	0.38
Utility Work	Dumpers/Tenders	2	8.00	16	0.38
Utility Work	Excavators	3	8.00	158	0.38
Utility Work	Off-Highway Trucks	1	8.00	402	0.38
Utility Work	Off-Highway Trucks	1	8.00	402	0.38
Utility Work	Other Construction Equipment	1	8.00	172	0.42
Building Site Work	Dumpers/Tenders	1	8.00	16	0.38
Building Site Work	Excavators	1	8.00	158	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38

Canyon Lane Project - San Mateo County, Summer

Building Site Work	Other Construction Equipment	1	8.00	172	0.42
Building coating	Air Compressors	1	8.00	78	0.48
Final Pavement	Dumpers/Tenders	1	8.00	16	0.38
Final Pavement	Off-Highway Trucks	1	8.00	402	0.38
Final Pavement	Off-Highway Trucks	1	8.00	402	0.38
Final Pavement	Other Construction Equipment	1	8.00	172	0.42
Final Pavement	Pavers	1	6.00	130	0.42
Final Pavement	Paving Equipment	1	8.00	132	0.36
Final Pavement	Rollers	1	7.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Tree Removal Protection Erosion Co	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Roadway Construction	10	20.00	2.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Work	8	20.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Site Work	7	16.00	4.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building coating	1	2.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Pavement	7	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Canyon Lane Project - San Mateo County, Summer

3.2 Tree Removal Protection Erosion Control - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7541	17.5265	11.5076	0.0323		0.6701	0.6701		0.6180	0.6180		3,187.5290	3,187.5290	0.9958		3,212.4230
Total	1.7541	17.5265	11.5076	0.0323	0.0000	0.6701	0.6701	0.0000	0.6180	0.6180		3,187.5290	3,187.5290	0.9958		3,212.4230

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	0.0298	0.0184	0.2274	7.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		79.2318	79.2318	1.6800e-003		79.2737
Total	0.0298	0.0184	0.2274	7.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		79.2318	79.2318	1.6800e-003		79.2737

Canyon Lane Project - San Mateo County, Summer

3.2 Tree Removal Protection Erosion Control - 2019

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7541	17.5265	11.5076	0.0323		0.6701	0.6701		0.6180	0.6180	0.0000	3,187.5289	3,187.5289	0.9958		3,212.4230
Total	1.7541	17.5265	11.5076	0.0323	0.0000	0.6701	0.6701	0.0000	0.6180	0.6180	0.0000	3,187.5289	3,187.5289	0.9958		3,212.4230

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	0.0298	0.0184	0.2274	7.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		79.2318	79.2318	1.6800e-003		79.2737
Total	0.0298	0.0184	0.2274	7.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		79.2318	79.2318	1.6800e-003		79.2737

Canyon Lane Project - San Mateo County, Summer

3.3 Roadway Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0598	0.0000	0.0598	6.7600e-003	0.0000	6.7600e-003			0.0000			0.0000
Off-Road	3.4153	34.3605	20.4572	0.0562		1.3873	1.3873		1.2820	1.2820		5,508.9758	5,508.9758	1.6920		5,551.2763
Total	3.4153	34.3605	20.4572	0.0562	0.0598	1.3873	1.4471	6.7600e-003	1.2820	1.2888		5,508.9758	5,508.9758	1.6920		5,551.2763

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	2.9800e-003	0.1022	0.0399	2.5000e-004	5.2100e-003	4.1000e-004	5.6200e-003	1.4300e-003	4.0000e-004	1.8200e-003		28.1391	28.1391	3.4100e-003		28.2242
Vendor	9.3100e-003	0.2512	0.0939	5.4000e-004	0.0135	1.7500e-003	0.0152	3.8800e-003	1.6700e-003	5.5500e-003		59.4029	59.4029	5.1400e-003		59.5315
Worker	0.0597	0.0367	0.4547	1.5900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		158.4636	158.4636	3.3500e-003		158.5475
Total	0.0720	0.3902	0.5885	2.3800e-003	0.1830	3.1700e-003	0.1862	0.0489	3.0000e-003	0.0519		246.0056	246.0056	0.0119		246.3031

Canyon Lane Project - San Mateo County, Summer

3.3 Roadway Construction - 2019

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					0.0269	0.0000	0.0269	3.0400e-003	0.0000	3.0400e-003			0.0000			0.0000
Off-Road	3.4153	34.3605	20.4572	0.0562		1.3873	1.3873		1.2820	1.2820	0.0000	5,508.9758	5,508.9758	1.6920		5,551.2763
Total	3.4153	34.3605	20.4572	0.0562	0.0269	1.3873	1.4142	3.0400e-003	1.2820	1.2851	0.0000	5,508.9758	5,508.9758	1.6920		5,551.2763

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	2.9800e-003	0.1022	0.0399	2.5000e-004	5.2100e-003	4.1000e-004	5.6200e-003	1.4300e-003	4.0000e-004	1.8200e-003		28.1391	28.1391	3.4100e-003		28.2242
Vendor	9.3100e-003	0.2512	0.0939	5.4000e-004	0.0135	1.7500e-003	0.0152	3.8800e-003	1.6700e-003	5.5500e-003		59.4029	59.4029	5.1400e-003		59.5315
Worker	0.0597	0.0367	0.4547	1.5900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		158.4636	158.4636	3.3500e-003		158.5475
Total	0.0720	0.3902	0.5885	2.3800e-003	0.1830	3.1700e-003	0.1862	0.0489	3.0000e-003	0.0519		246.0056	246.0056	0.0119		246.3031

Canyon Lane Project - San Mateo County, Summer

3.4 Utility Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475		4,882.8618	4,882.8618	1.5194		4,920.8470
Total	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475		4,882.8618	4,882.8618	1.5194		4,920.8470

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	9.3100e-003	0.2512	0.0939	5.4000e-004	0.0135	1.7500e-003	0.0152	3.8800e-003	1.6700e-003	5.5500e-003		59.4029	59.4029	5.1400e-003		59.5315
Worker	0.0597	0.0367	0.4547	1.5900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		158.4636	158.4636	3.3500e-003		158.5475
Total	0.0690	0.2879	0.5486	2.1300e-003	0.1778	2.7600e-003	0.1806	0.0475	2.6000e-003	0.0501		217.8665	217.8665	8.4900e-003		218.0789

Canyon Lane Project - San Mateo County, Summer

3.4 Utility Work - 2019

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	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475	0.0000	4,882.8618	4,882.8618	1.5194		4,920.8470
Total	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475	0.0000	4,882.8618	4,882.8618	1.5194		4,920.8470

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	9.3100e-003	0.2512	0.0939	5.4000e-004	0.0135	1.7500e-003	0.0152	3.8800e-003	1.6700e-003	5.5500e-003		59.4029	59.4029	5.1400e-003		59.5315
Worker	0.0597	0.0367	0.4547	1.5900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		158.4636	158.4636	3.3500e-003		158.5475
Total	0.0690	0.2879	0.5486	2.1300e-003	0.1778	2.7600e-003	0.1806	0.0475	2.6000e-003	0.0501		217.8665	217.8665	8.4900e-003		218.0789

Canyon Lane Project - San Mateo County, Summer

3.5 Building Site Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0153	0.0000	0.0153	1.6700e-003	0.0000	1.6700e-003			0.0000			0.0000
Off-Road	3.6989	37.5539	23.6499	0.0650		1.4905	1.4905		1.3727	1.3727		6,415.1334	6,415.1334	2.0169		6,465.5569
Total	3.6989	37.5539	23.6499	0.0650	0.0153	1.4905	1.5058	1.6700e-003	1.3727	1.3743		6,415.1334	6,415.1334	2.0169		6,465.5569

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	3.7000e-004	0.0126	4.9200e-003	3.0000e-005	6.4000e-004	5.0000e-005	6.9000e-004	1.8000e-004	5.0000e-005	2.2000e-004		3.4740	3.4740	4.2000e-004		3.4845
Vendor	0.0186	0.5025	0.1877	1.0800e-003	0.0270	3.4900e-003	0.0305	7.7700e-003	3.3400e-003	0.0111		118.8057	118.8057	0.0103		119.0629
Worker	0.0478	0.0294	0.3638	1.2700e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		126.7709	126.7709	2.6800e-003		126.8380
Total	0.0668	0.5445	0.5564	2.3800e-003	0.1591	4.3500e-003	0.1634	0.0428	4.1300e-003	0.0469		249.0506	249.0506	0.0134		249.3853

Canyon Lane Project - San Mateo County, Summer

3.5 Building Site Work - 2019

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					6.8900e-003	0.0000	6.8900e-003	7.5000e-004	0.0000	7.5000e-004			0.0000			0.0000
Off-Road	3.6989	37.5539	23.6499	0.0650		1.4905	1.4905		1.3727	1.3727	0.0000	6,415.1334	6,415.1334	2.0169		6,465.5569
Total	3.6989	37.5539	23.6499	0.0650	6.8900e-003	1.4905	1.4974	7.5000e-004	1.3727	1.3734	0.0000	6,415.1334	6,415.1334	2.0169		6,465.5569

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	3.7000e-004	0.0126	4.9200e-003	3.0000e-005	6.4000e-004	5.0000e-005	6.9000e-004	1.8000e-004	5.0000e-005	2.2000e-004		3.4740	3.4740	4.2000e-004		3.4845
Vendor	0.0186	0.5025	0.1877	1.0800e-003	0.0270	3.4900e-003	0.0305	7.7700e-003	3.3400e-003	0.0111		118.8057	118.8057	0.0103		119.0629
Worker	0.0478	0.0294	0.3638	1.2700e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		126.7709	126.7709	2.6800e-003		126.8380
Total	0.0668	0.5445	0.5564	2.3800e-003	0.1591	4.3500e-003	0.1634	0.0428	4.1300e-003	0.0469		249.0506	249.0506	0.0134		249.3853

Canyon Lane Project - San Mateo County, Summer

3.6 Building coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.8855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565
Total	12.2408	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565

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	9.3100e-003	0.2512	0.0939	5.4000e-004	0.0135	1.7500e-003	0.0152	3.8800e-003	1.6700e-003	5.5500e-003		59.4029	59.4029	5.1400e-003		59.5315
Worker	5.9700e-003	3.6700e-003	0.0455	1.6000e-004	0.0164	1.0000e-004	0.0165	4.3600e-003	9.0000e-005	4.4500e-003		15.8464	15.8464	3.4000e-004		15.8548
Total	0.0153	0.2549	0.1393	7.0000e-004	0.0299	1.8500e-003	0.0318	8.2400e-003	1.7600e-003	0.0100		75.2492	75.2492	5.4800e-003		75.3862

Canyon Lane Project - San Mateo County, Summer

3.6 Building coating - 2019

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	11.8855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717	0.0000	375.2641	375.2641	0.0317		376.0565
Total	12.2408	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717	0.0000	375.2641	375.2641	0.0317		376.0565

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	9.3100e-003	0.2512	0.0939	5.4000e-004	0.0135	1.7500e-003	0.0152	3.8800e-003	1.6700e-003	5.5500e-003		59.4029	59.4029	5.1400e-003		59.5315
Worker	5.9700e-003	3.6700e-003	0.0455	1.6000e-004	0.0164	1.0000e-004	0.0165	4.3600e-003	9.0000e-005	4.4500e-003		15.8464	15.8464	3.4000e-004		15.8548
Total	0.0153	0.2549	0.1393	7.0000e-004	0.0299	1.8500e-003	0.0318	8.2400e-003	1.7600e-003	0.0100		75.2492	75.2492	5.4800e-003		75.3862

Canyon Lane Project - San Mateo County, Summer

3.7 Final Pavement - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6453	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998		4,268.2110	4,268.2110	1.3377		4,301.6529
Paving	0.5240					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.1693	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998		4,268.2110	4,268.2110	1.3377		4,301.6529

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	0.0478	0.0294	0.3638	1.2700e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		126.7709	126.7709	2.6800e-003		126.8380
Total	0.0478	0.0294	0.3638	1.2700e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		126.7709	126.7709	2.6800e-003		126.8380

Canyon Lane Project - San Mateo County, Summer

3.7 Final Pavement - 2019

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	2.6453	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998	0.0000	4,268.2110	4,268.2110	1.3377		4,301.6529
Paving	0.5240					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.1693	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998	0.0000	4,268.2110	4,268.2110	1.3377		4,301.6529

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	0.0478	0.0294	0.3638	1.2700e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		126.7709	126.7709	2.6800e-003		126.8380
Total	0.0478	0.0294	0.3638	1.2700e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		126.7709	126.7709	2.6800e-003		126.8380

4.0 Operational Detail - Mobile

Canyon Lane Project - San Mateo County, Summer

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	0.0157	0.0433	0.1626	5.5000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		55.2917	55.2917	1.9700e-003		55.3411
Unmitigated	0.0157	0.0433	0.1626	5.5000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		55.2917	55.2917	1.9700e-003		55.3411

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Single Family Housing	9.52	9.91	8.62	21,819	21,819
Total	9.52	9.91	8.62	21,819	21,819

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Canyon Lane Project - San Mateo County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Single Family Housing	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741

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	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
NaturalGas Unmitigated	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229

Canyon Lane Project - San Mateo County, Summer

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	115.956	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Total		1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.115956	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Total		1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229

6.0 Area Detail

6.1 Mitigation Measures Area

Canyon Lane Project - San Mateo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706
Unmitigated	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706

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	0.0163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.0363	0.0200	1.3403	2.5200e-003		0.1895	0.1895		0.1895	0.1895	20.3783	6.1765	26.5548	0.0252	1.4400e-003	27.6133
Landscaping	2.7300e-003	9.8000e-004	0.0850	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1534	0.1534	1.6000e-004		0.1573
Total	1.1535	0.0209	1.4253	2.5200e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706

Canyon Lane Project - San Mateo County, Summer

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	0.0163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.0363	0.0200	1.3403	2.5200e-003		0.1895	0.1895		0.1895	0.1895	20.3783	6.1765	26.5548	0.0252	1.4400e-003	27.6133
Landscaping	2.7300e-003	9.8000e-004	0.0850	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1534	0.1534	1.6000e-004		0.1573
Total	1.1535	0.0209	1.4253	2.5200e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706

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 Stationary Equipment

Canyon Lane Project - San Mateo County, Summer

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Canyon Lane Project - San Mateo County, Winter

Canyon Lane Project
San Mateo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	22.00	1000sqft	1.00	22,000.00	0
Single Family Housing	1.00	Dwelling Unit	0.38	4,221.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2020
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

Canyon Lane Project - San Mateo County, Winter

Project Characteristics -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - from equipment roster

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Based on the number of workers per phase

Grading -

Architectural Coating - Exterior and interior of residence would be painted

Area Coating - Exterior and interior of residence would be painted

Land Use Change -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,320.00	0.00
tblAreaCoating	Area_Parking	1320	0
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	4.00	27.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	10.00
tblLandUse	LandUseSquareFeet	1,800.00	4,221.00
tblLandUse	LotAcreage	0.51	1.00
tblLandUse	LotAcreage	0.32	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Canyon Lane Project - San Mateo County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	PhaseName		Final Pavement
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00

2.0 Emissions Summary

Canyon Lane Project - San Mateo County, Winter

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	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706
Energy	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Mobile	0.0145	0.0469	0.1691	5.2000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		52.4977	52.4977	2.0100e-003		52.5479
Total	1.1692	0.0785	1.5990	3.1200e-003	0.0486	0.1914	0.2400	0.0130	0.1914	0.2044	20.3783	72.4693	92.8477	0.0276	1.6900e-003	94.0414

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	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706
Energy	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Mobile	0.0145	0.0469	0.1691	5.2000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		52.4977	52.4977	2.0100e-003		52.5479
Total	1.1692	0.0785	1.5990	3.1200e-003	0.0486	0.1914	0.2400	0.0130	0.1914	0.2044	20.3783	72.4693	92.8477	0.0276	1.6900e-003	94.0414

Canyon Lane Project - San Mateo County, Winter

	ROG	NOx	CO	SO2	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	Tree Removal Protection Erosion Control	Site Preparation	4/1/2019	4/12/2019	5	10	Lay down construction entrances, remove trees, install tree protective fencing, install erosion control devices
2	Roadway Construction	Grading	4/15/2019	5/10/2019	5	20	Surveying, excavation and off-haul to sub-grade level base rock , construct headwalls and install pre-fabricated bridge
3	Utility Work	Trenching	5/13/2019	6/21/2019	5	30	Hydro static testing, bac-ted flush, and watermain connection, install joint trench
4	Building Site Work	Grading	6/24/2019	7/30/2019	5	27	Excavate and off-haul to subgrade, site wall structures and foundation work, framing, roofing, and finish work, utility rough in/site work, building finish, interior work and landscaping
5	Building coating	Architectural Coating	7/22/2019	7/30/2019	5	5	Paint building
6	Final Pavement	Paving	7/31/2019	8/6/2019	5	5	Prepare and fine tune roadway base rock to grade, place roadway roadway striping after adequate cure time, remove temporary fencing

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1

Canyon Lane Project - San Mateo County, Winter

Residential Indoor: 8,548; Residential Outdoor: 2,849; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Tree Removal Protection Erosion Control	Dumpers/Tenders	1	8.00	16	0.38
Tree Removal Protection Erosion Control	Excavators	1	8.00	158	0.38
Tree Removal Protection Erosion Control	Off-Highway Trucks	1	8.00	402	0.38
Tree Removal Protection Erosion Control	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Cranes	1	8.00	231	0.29
Roadway Construction	Dumpers/Tenders	4	8.00	16	0.38
Roadway Construction	Excavators	1	8.00	158	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Off-Highway Trucks	1	8.00	402	0.38
Roadway Construction	Rollers	1	8.00	80	0.38
Utility Work	Dumpers/Tenders	2	8.00	16	0.38
Utility Work	Excavators	3	8.00	158	0.38
Utility Work	Off-Highway Trucks	1	8.00	402	0.38
Utility Work	Off-Highway Trucks	1	8.00	402	0.38
Utility Work	Other Construction Equipment	1	8.00	172	0.42
Building Site Work	Dumpers/Tenders	1	8.00	16	0.38
Building Site Work	Excavators	1	8.00	158	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38
Building Site Work	Off-Highway Trucks	1	8.00	402	0.38

Canyon Lane Project - San Mateo County, Winter

Building Site Work	Other Construction Equipment	1	8.00	172	0.42
Building coating	Air Compressors	1	8.00	78	0.48
Final Pavement	Dumpers/Tenders	1	8.00	16	0.38
Final Pavement	Off-Highway Trucks	1	8.00	402	0.38
Final Pavement	Off-Highway Trucks	1	8.00	402	0.38
Final Pavement	Other Construction Equipment	1	8.00	172	0.42
Final Pavement	Pavers	1	6.00	130	0.42
Final Pavement	Paving Equipment	1	8.00	132	0.36
Final Pavement	Rollers	1	7.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Tree Removal	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Protection Erosion Co										
Roadway Construction	10	20.00	2.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Work	8	20.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Site Work	7	16.00	4.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building coating	1	2.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Pavement	7	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Canyon Lane Project - San Mateo County, Winter

3.2 Tree Removal Protection Erosion Control - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7541	17.5265	11.5076	0.0323		0.6701	0.6701		0.6180	0.6180		3,187.5290	3,187.5290	0.9958		3,212.4230
Total	1.7541	17.5265	11.5076	0.0323	0.0000	0.6701	0.6701	0.0000	0.6180	0.6180		3,187.5290	3,187.5290	0.9958		3,212.4230

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	0.0331	0.0227	0.2213	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		74.3473	74.3473	1.6100e-003		74.3875
Total	0.0331	0.0227	0.2213	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		74.3473	74.3473	1.6100e-003		74.3875

Canyon Lane Project - San Mateo County, Winter

3.2 Tree Removal Protection Erosion Control - 2019

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7541	17.5265	11.5076	0.0323		0.6701	0.6701		0.6180	0.6180	0.0000	3,187.5289	3,187.5289	0.9958		3,212.4230
Total	1.7541	17.5265	11.5076	0.0323	0.0000	0.6701	0.6701	0.0000	0.6180	0.6180	0.0000	3,187.5289	3,187.5289	0.9958		3,212.4230

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	0.0331	0.0227	0.2213	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		74.3473	74.3473	1.6100e-003		74.3875
Total	0.0331	0.0227	0.2213	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.7000e-004	0.0223		74.3473	74.3473	1.6100e-003		74.3875

Canyon Lane Project - San Mateo County, Winter

3.3 Roadway Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0598	0.0000	0.0598	6.7600e-003	0.0000	6.7600e-003			0.0000			0.0000
Off-Road	3.4153	34.3605	20.4572	0.0562		1.3873	1.3873		1.2820	1.2820		5,508.9758	5,508.9758	1.6920		5,551.2763
Total	3.4153	34.3605	20.4572	0.0562	0.0598	1.3873	1.4471	6.7600e-003	1.2820	1.2888		5,508.9758	5,508.9758	1.6920		5,551.2763

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	3.0500e-003	0.1055	0.0410	2.5000e-004	5.2100e-003	4.2000e-004	5.6300e-003	1.4300e-003	4.1000e-004	1.8300e-003		27.8469	27.8469	3.4400e-003		27.9328
Vendor	9.7500e-003	0.2557	0.1027	5.3000e-004	0.0135	1.7900e-003	0.0153	3.8800e-003	1.7100e-003	5.5900e-003		58.3843	58.3843	5.2800e-003		58.5164
Worker	0.0663	0.0453	0.4426	1.4900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		148.6946	148.6946	3.2200e-003		148.7750
Total	0.0791	0.4064	0.5863	2.2700e-003	0.1830	3.2200e-003	0.1862	0.0489	3.0500e-003	0.0519		234.9257	234.9257	0.0119		235.2242

Canyon Lane Project - San Mateo County, Winter

3.3 Roadway Construction - 2019

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					0.0269	0.0000	0.0269	3.0400e-003	0.0000	3.0400e-003			0.0000			0.0000
Off-Road	3.4153	34.3605	20.4572	0.0562		1.3873	1.3873		1.2820	1.2820	0.0000	5,508.9758	5,508.9758	1.6920		5,551.2763
Total	3.4153	34.3605	20.4572	0.0562	0.0269	1.3873	1.4142	3.0400e-003	1.2820	1.2851	0.0000	5,508.9758	5,508.9758	1.6920		5,551.2763

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	3.0500e-003	0.1055	0.0410	2.5000e-004	5.2100e-003	4.2000e-004	5.6300e-003	1.4300e-003	4.1000e-004	1.8300e-003		27.8469	27.8469	3.4400e-003		27.9328
Vendor	9.7500e-003	0.2557	0.1027	5.3000e-004	0.0135	1.7900e-003	0.0153	3.8800e-003	1.7100e-003	5.5900e-003		58.3843	58.3843	5.2800e-003		58.5164
Worker	0.0663	0.0453	0.4426	1.4900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		148.6946	148.6946	3.2200e-003		148.7750
Total	0.0791	0.4064	0.5863	2.2700e-003	0.1830	3.2200e-003	0.1862	0.0489	3.0500e-003	0.0519		234.9257	234.9257	0.0119		235.2242

Canyon Lane Project - San Mateo County, Winter

3.4 Utility Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475		4,882.8618	4,882.8618	1.5194		4,920.8470
Total	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475		4,882.8618	4,882.8618	1.5194		4,920.8470

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	9.7500e-003	0.2557	0.1027	5.3000e-004	0.0135	1.7900e-003	0.0153	3.8800e-003	1.7100e-003	5.5900e-003		58.3843	58.3843	5.2800e-003		58.5164
Worker	0.0663	0.0453	0.4426	1.4900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		148.6946	148.6946	3.2200e-003		148.7750
Total	0.0760	0.3010	0.5452	2.0200e-003	0.1778	2.8000e-003	0.1806	0.0475	2.6400e-003	0.0501		207.0789	207.0789	8.5000e-003		207.2914

Canyon Lane Project - San Mateo County, Winter

3.4 Utility Work - 2019

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	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475	0.0000	4,882.8618	4,882.8618	1.5194		4,920.8470
Total	2.8741	29.0040	22.4335	0.0496		1.2442	1.2442		1.1475	1.1475	0.0000	4,882.8618	4,882.8618	1.5194		4,920.8470

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	9.7500e-003	0.2557	0.1027	5.3000e-004	0.0135	1.7900e-003	0.0153	3.8800e-003	1.7100e-003	5.5900e-003		58.3843	58.3843	5.2800e-003		58.5164
Worker	0.0663	0.0453	0.4426	1.4900e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		148.6946	148.6946	3.2200e-003		148.7750
Total	0.0760	0.3010	0.5452	2.0200e-003	0.1778	2.8000e-003	0.1806	0.0475	2.6400e-003	0.0501		207.0789	207.0789	8.5000e-003		207.2914

Canyon Lane Project - San Mateo County, Winter

3.5 Building Site Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0153	0.0000	0.0153	1.6700e-003	0.0000	1.6700e-003			0.0000			0.0000
Off-Road	3.6989	37.5539	23.6499	0.0650		1.4905	1.4905		1.3727	1.3727		6,415.1334	6,415.1334	2.0169		6,465.5569
Total	3.6989	37.5539	23.6499	0.0650	0.0153	1.4905	1.5058	1.6700e-003	1.3727	1.3743		6,415.1334	6,415.1334	2.0169		6,465.5569

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	3.8000e-004	0.0130	5.0700e-003	3.0000e-005	6.4000e-004	5.0000e-005	7.0000e-004	1.8000e-004	5.0000e-005	2.3000e-004		3.4379	3.4379	4.2000e-004		3.4485
Vendor	0.0195	0.5113	0.2053	1.0700e-003	0.0270	3.5700e-003	0.0306	7.7700e-003	3.4200e-003	0.0112		116.7686	116.7686	0.0106		117.0328
Worker	0.0530	0.0363	0.3541	1.1900e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		118.9557	118.9557	2.5700e-003		119.0200
Total	0.0729	0.5606	0.5645	2.2900e-003	0.1591	4.4300e-003	0.1635	0.0428	4.2100e-003	0.0470		239.1622	239.1622	0.0136		239.5012

Canyon Lane Project - San Mateo County, Winter

3.5 Building Site Work - 2019

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					6.8900e-003	0.0000	6.8900e-003	7.5000e-004	0.0000	7.5000e-004			0.0000			0.0000
Off-Road	3.6989	37.5539	23.6499	0.0650		1.4905	1.4905		1.3727	1.3727	0.0000	6,415.1334	6,415.1334	2.0169		6,465.5569
Total	3.6989	37.5539	23.6499	0.0650	6.8900e-003	1.4905	1.4974	7.5000e-004	1.3727	1.3734	0.0000	6,415.1334	6,415.1334	2.0169		6,465.5569

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	3.8000e-004	0.0130	5.0700e-003	3.0000e-005	6.4000e-004	5.0000e-005	7.0000e-004	1.8000e-004	5.0000e-005	2.3000e-004		3.4379	3.4379	4.2000e-004		3.4485
Vendor	0.0195	0.5113	0.2053	1.0700e-003	0.0270	3.5700e-003	0.0306	7.7700e-003	3.4200e-003	0.0112		116.7686	116.7686	0.0106		117.0328
Worker	0.0530	0.0363	0.3541	1.1900e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		118.9557	118.9557	2.5700e-003		119.0200
Total	0.0729	0.5606	0.5645	2.2900e-003	0.1591	4.4300e-003	0.1635	0.0428	4.2100e-003	0.0470		239.1622	239.1622	0.0136		239.5012

Canyon Lane Project - San Mateo County, Winter

3.6 Building coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.8855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565
Total	12.2408	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565

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	9.7500e-003	0.2557	0.1027	5.3000e-004	0.0135	1.7900e-003	0.0153	3.8800e-003	1.7100e-003	5.5900e-003		58.3843	58.3843	5.2800e-003		58.5164
Worker	6.6300e-003	4.5300e-003	0.0443	1.5000e-004	0.0164	1.0000e-004	0.0165	4.3600e-003	9.0000e-005	4.4500e-003		14.8695	14.8695	3.2000e-004		14.8775
Total	0.0164	0.2602	0.1469	6.8000e-004	0.0299	1.8900e-003	0.0318	8.2400e-003	1.8000e-003	0.0100		73.2538	73.2538	5.6000e-003		73.3939

Canyon Lane Project - San Mateo County, Winter

3.6 Building coating - 2019

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	11.8855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717	0.0000	375.2641	375.2641	0.0317		376.0565
Total	12.2408	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717	0.0000	375.2641	375.2641	0.0317		376.0565

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	9.7500e-003	0.2557	0.1027	5.3000e-004	0.0135	1.7900e-003	0.0153	3.8800e-003	1.7100e-003	5.5900e-003		58.3843	58.3843	5.2800e-003		58.5164
Worker	6.6300e-003	4.5300e-003	0.0443	1.5000e-004	0.0164	1.0000e-004	0.0165	4.3600e-003	9.0000e-005	4.4500e-003		14.8695	14.8695	3.2000e-004		14.8775
Total	0.0164	0.2602	0.1469	6.8000e-004	0.0299	1.8900e-003	0.0318	8.2400e-003	1.8000e-003	0.0100		73.2538	73.2538	5.6000e-003		73.3939

Canyon Lane Project - San Mateo County, Winter

3.7 Final Pavement - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6453	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998		4,268.2110	4,268.2110	1.3377		4,301.6529
Paving	0.5240					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.1693	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998		4,268.2110	4,268.2110	1.3377		4,301.6529

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	0.0530	0.0363	0.3541	1.1900e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		118.9557	118.9557	2.5700e-003		119.0200
Total	0.0530	0.0363	0.3541	1.1900e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		118.9557	118.9557	2.5700e-003		119.0200

Canyon Lane Project - San Mateo County, Winter

3.7 Final Pavement - 2019

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	2.6453	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998	0.0000	4,268.2110	4,268.2110	1.3377		4,301.6529
Paving	0.5240					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.1693	27.0536	18.7617	0.0433		1.1939	1.1939		1.0998	1.0998	0.0000	4,268.2110	4,268.2110	1.3377		4,301.6529

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	0.0530	0.0363	0.3541	1.1900e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		118.9557	118.9557	2.5700e-003		119.0200
Total	0.0530	0.0363	0.3541	1.1900e-003	0.1314	8.1000e-004	0.1322	0.0349	7.4000e-004	0.0356		118.9557	118.9557	2.5700e-003		119.0200

4.0 Operational Detail - Mobile

Canyon Lane Project - San Mateo County, Winter

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	0.0145	0.0469	0.1691	5.2000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		52.4977	52.4977	2.0100e-003		52.5479
Unmitigated	0.0145	0.0469	0.1691	5.2000e-004	0.0486	5.7000e-004	0.0492	0.0130	5.4000e-004	0.0136		52.4977	52.4977	2.0100e-003		52.5479

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Single Family Housing	9.52	9.91	8.62	21,819	21,819
Total	9.52	9.91	8.62	21,819	21,819

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Canyon Lane Project - San Mateo County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Single Family Housing	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741

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	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
NaturalGas Unmitigated	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229

Canyon Lane Project - San Mateo County, Winter

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	115.956	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Total		1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.115956	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229
Total		1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.6418	13.6418	2.6000e-004	2.5000e-004	13.7229

6.0 Area Detail

6.1 Mitigation Measures Area

Canyon Lane Project - San Mateo County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706
Unmitigated	1.1535	0.0209	1.4253	2.5300e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706

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	0.0163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.0363	0.0200	1.3403	2.5200e-003		0.1895	0.1895		0.1895	0.1895	20.3783	6.1765	26.5548	0.0252	1.4400e-003	27.6133
Landscaping	2.7300e-003	9.8000e-004	0.0850	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1534	0.1534	1.6000e-004		0.1573
Total	1.1535	0.0209	1.4253	2.5200e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706

Canyon Lane Project - San Mateo County, Winter

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	0.0163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.0363	0.0200	1.3403	2.5200e-003		0.1895	0.1895		0.1895	0.1895	20.3783	6.1765	26.5548	0.0252	1.4400e-003	27.6133
Landscaping	2.7300e-003	9.8000e-004	0.0850	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1534	0.1534	1.6000e-004		0.1573
Total	1.1535	0.0209	1.4253	2.5200e-003		0.1900	0.1900		0.1900	0.1900	20.3783	6.3298	26.7082	0.0254	1.4400e-003	27.7706

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 Stationary Equipment

Canyon Lane Project - San Mateo County, Winter

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
