Parenthetical CALEEMOD Assumptions
For: Costa Mesa Verde In-Line Shops Project
March 2017

CONSTRUCTION

Demolition (2017)

- 24 days.

Equipment:

Quantity	Type	Hours of Daily Operation
1	Concrete/Industrial Saws	8
2	Tractors/Loaders/Backhoes	6
1	Rubber Tired Dozers	1

Grading (2017)

- 11 days.

Equipment:

Quantity	Type	Hours of Daily Operation
1	Concrete/Industrial Saws	8
1	Rubber Tired Dozers	1
2	Tractors/Loaders/Backhoes	6

Building Construction (2016 - 2017)

- 85 days.

Equipment:

Quantity	Type	Hours of Daily Operation
1	Cranes	4
2	Forklifts	6
2	Tractors/Loaders/Backhoes	8

Paving (2017)

- 13 days.

Equipment:

Quantity	Type	Hours of Daily Operation
4	Cement and Mortar Mixers	6
1	Pavers	7
1	Rollers	7
1	Tractors/Loaders/Backhoes	7

Architectural Coating (2017)

- 21 days.

Equipment:

Quantity	Type	Hours of Daily Operation
1	Air Compressors	6

Costa Mesa Verde In-Line Shops

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	13.49	1000sqft	0.66	13,491.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site acreage

Construction Phase - Construction Phasing

Demolition -

Vehicle Trips - Construction run only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules and Regulations

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	5.00	21.00

tblConstructionPhase	NumDays	100.00	85.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	2.00	11.00
tblConstructionPhase	NumDays	5.00	13.00
tblConstructionPhase	PhaseEndDate	4/30/2017	10/15/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	10/15/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	6/16/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	11/1/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	9/15/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	6/17/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	6/2/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	10/16/2017
tblLandUse	LotAcreage	0.31	0.66
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	89.95	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.6130	15.2227	10.3173	0.0157	0.8645	1.0352	1.5971	0.4434	0.9663	1.1419	0.0000	1,585.8594	1,585.8594	0.3943	0.0000	1,595.7179
Maximum	**7.6130**	**15.2227**	**10.3173**	**0.0157**	**0.8645**	**1.0352**	**1.5971**	**0.4434**	**0.9663**	**1.1419**	**0.0000**	**1,585.8594**	**1,585.8594**	**0.3943**	**0.0000**	**1,595.7179**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.6130	15.2227	10.3173	0.0157	0.3654	1.0352	1.1062	0.1767	0.9663	0.9859	0.0000	1,585.8594	1,585.8594	0.3943	0.0000	1,595.7179
Maximum	**7.6130**	**15.2227**	**10.3173**	**0.0157**	**0.3654**	**1.0352**	**1.1062**	**0.1767**	**0.9663**	**0.9859**	**0.0000**	**1,585.8594**	**1,585.8594**	**0.3943**	**0.0000**	**1,595.7179**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.73**	**0.00**	**30.74**	**60.14**	**0.00**	**13.66**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Energy	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4050**	**0.9411**	**0.7919**	**5.6500e-003**	**0.0000**	**0.0715**	**0.0715**	**0.0000**	**0.0715**	**0.0715**		**1,129.3334**	**1,129.3334**	**0.0217**	**0.0207**	**1,136.0446**

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	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Energy	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4050**	**0.9411**	**0.7919**	**5.6500e-003**	**0.0000**	**0.0715**	**0.0715**	**0.0000**	**0.0715**	**0.0715**		**1,129.3334**	**1,129.3334**	**0.0217**	**0.0207**	**1,136.0446**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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	Architectural Coating	Architectural Coating	9/15/2017	10/15/2017	5	21	
2	Building Construction	Building Construction	6/17/2017	10/15/2017	5	85	
3	Demolition	Demolition	5/1/2017	6/1/2017	5	24	
4	Grading	Grading	6/2/2017	6/16/2017	5	11	
5	Paving	Paving	10/16/2017	11/1/2017	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,237; Non-Residential Outdoor: 6,746; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

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
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	62.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9555					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**6.2878**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

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	4.9600e-003	3.4700e-003	0.0441	1.2000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		11.9138	11.9138	3.5000e-004		11.9224
Total	**4.9600e-003**	**3.4700e-003**	**0.0441**	**1.2000e-004**	**0.0112**	**7.0000e-005**	**0.0113**	**2.9600e-003**	**7.0000e-005**	**3.0300e-003**		**11.9138**	**11.9138**	**3.5000e-004**		**11.9224**

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	5.9555					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**6.2878**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

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	4.9600e-003	3.4700e-003	0.0441	1.2000e-004	8.6500e-003	7.0000e-005	8.7300e-003	2.3400e-003	7.0000e-005	2.4100e-003		11.9138	11.9138	3.5000e-004		11.9224
Total	**4.9600e-003**	**3.4700e-003**	**0.0441**	**1.2000e-004**	**8.6500e-003**	**7.0000e-005**	**8.7300e-003**	**2.3400e-003**	**7.0000e-005**	**2.4100e-003**		**11.9138**	**11.9138**	**3.5000e-004**		**11.9224**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**		**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

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	9.2400e-003	0.2545	0.0704	5.1000e-004	0.0128	2.2200e-003	0.0150	3.6800e-003	2.1200e-003	5.8000e-003		55.0986	55.0986	4.9700e-003		55.2227
Worker	0.0298	0.0208	0.2647	7.2000e-004	0.0671	4.5000e-004	0.0675	0.0178	4.1000e-004	0.0182		71.4826	71.4826	2.0800e-003		71.5346
Total	**0.0390**	**0.2753**	**0.3351**	**1.2300e-003**	**0.0799**	**2.6700e-003**	**0.0825**	**0.0215**	**2.5300e-003**	**0.0240**		**126.5812**	**126.5812**	**7.0500e-003**		**126.7573**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**	**0.0000**	**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

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	9.2400e-003	0.2545	0.0704	5.1000e-004	0.0104	2.2200e-003	0.0126	3.1000e-003	2.1200e-003	5.2200e-003		55.0986	55.0986	4.9700e-003		55.2227
Worker	0.0298	0.0208	0.2647	7.2000e-004	0.0519	4.5000e-004	0.0524	0.0141	4.1000e-004	0.0145		71.4826	71.4826	2.0800e-003		71.5346
Total	**0.0390**	**0.2753**	**0.3351**	**1.2300e-003**	**0.0623**	**2.6700e-003**	**0.0650**	**0.0172**	**2.5300e-003**	**0.0197**		**126.5812**	**126.5812**	**7.0500e-003**		**126.7573**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5629	0.0000	0.5629	0.0852	0.0000	0.0852			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.5629**	**0.7318**	**1.2947**	**0.0852**	**0.6978**	**0.7830**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0261	0.8798	0.1950	2.0500e-003	0.0450	4.9600e-003	0.0500	0.0123	4.7500e-003	0.0171		227.0917	227.0917	0.0238		227.6878
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	0.0496	0.0347	0.4412	1.2000e-003	0.1118	7.4000e-004	0.1125	0.0296	6.9000e-004	0.0303		119.1376	119.1376	3.4600e-003		119.2242
Total	**0.0757**	**0.9145**	**0.6362**	**3.2500e-003**	**0.1568**	**5.7000e-003**	**0.1625**	**0.0420**	**5.4400e-003**	**0.0474**		**346.2294**	**346.2294**	**0.0273**		**346.9121**

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					0.2086	0.0000	0.2086	0.0316	0.0000	0.0316			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.2086**	**0.7318**	**0.9403**	**0.0316**	**0.6978**	**0.7293**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0261	0.8798	0.1950	2.0500e-003	0.0361	4.9600e-003	0.0411	0.0101	4.7500e-003	0.0149		227.0917	227.0917	0.0238		227.6878
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	0.0496	0.0347	0.4412	1.2000e-003	0.0865	7.4000e-004	0.0873	0.0234	6.9000e-004	0.0241		119.1376	119.1376	3.4600e-003		119.2242
Total	**0.0757**	**0.9145**	**0.6362**	**3.2500e-003**	**0.1226**	**5.7000e-003**	**0.1283**	**0.0336**	**5.4400e-003**	**0.0390**		**346.2294**	**346.2294**	**0.0273**		**346.9121**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.7528**	**0.7318**	**1.4845**	**0.4138**	**0.6978**	**1.1115**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0496	0.0347	0.4412	1.2000e-003	0.1118	7.4000e-004	0.1125	0.0296	6.9000e-004	0.0303		119.1376	119.1376	3.4600e-003		119.2242
Total	**0.0496**	**0.0347**	**0.4412**	**1.2000e-003**	**0.1118**	**7.4000e-004**	**0.1125**	**0.0296**	**6.9000e-004**	**0.0303**		**119.1376**	**119.1376**	**3.4600e-003**		**119.2242**

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					0.2789	0.0000	0.2789	0.1533	0.0000	0.1533			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.2789**	**0.7318**	**1.0107**	**0.1533**	**0.6978**	**0.8511**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0496	0.0347	0.4412	1.2000e-003	0.0865	7.4000e-004	0.0873	0.0234	6.9000e-004	0.0241		119.1376	119.1376	3.4600e-003		119.2242
Total	**0.0496**	**0.0347**	**0.4412**	**1.2000e-003**	**0.0865**	**7.4000e-004**	**0.0873**	**0.0234**	**6.9000e-004**	**0.0241**		**119.1376**	**119.1376**	**3.4600e-003**		**119.2242**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636		1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0532**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**		**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

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	0.0893	0.0625	0.7942	2.1500e-003	0.2012	1.3400e-003	0.2025	0.0534	1.2300e-003	0.0546		214.4477	214.4477	6.2400e-003		214.6036
Total	**0.0893**	**0.0625**	**0.7942**	**2.1500e-003**	**0.2012**	**1.3400e-003**	**0.2025**	**0.0534**	**1.2300e-003**	**0.0546**		**214.4477**	**214.4477**	**6.2400e-003**		**214.6036**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636	0.0000	1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0532**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**	**0.0000**	**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

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	0.0893	0.0625	0.7942	2.1500e-003	0.1557	1.3400e-003	0.1571	0.0422	1.2300e-003	0.0434		214.4477	214.4477	6.2400e-003		214.6036
Total	**0.0893**	**0.0625**	**0.7942**	**2.1500e-003**	**0.1557**	**1.3400e-003**	**0.1571**	**0.0422**	**1.2300e-003**	**0.0434**		**214.4477**	**214.4477**	**6.2400e-003**		**214.6036**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Quality Restaurant	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Quality Restaurant	0.00	0.00	0.00	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.552373	0.044229	0.211123	0.119112	0.017503	0.005797	0.024455	0.015685	0.001637	0.001633	0.004830	0.000583	0.001041

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
NaturalGas Unmitigated	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415

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					
Quality Restaurant	9599.31	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Total		**0.1035**	**0.9411**	**0.7905**	**5.6500e-003**		**0.0715**	**0.0715**		**0.0715**	**0.0715**		**1,129.3304**	**1,129.3304**	**0.0217**	**0.0207**	**1,136.0415**

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					
Quality Restaurant	9.59931	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Total		**0.1035**	**0.9411**	**0.7905**	**5.6500e-003**		**0.0715**	**0.0715**		**0.0715**	**0.0715**		**1,129.3304**	**1,129.3304**	**0.0217**	**0.0207**	**1,136.0415**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Unmitigated	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003

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	0.0343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Total	**0.3015**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.9500e-003**	**2.9500e-003**	**1.0000e-005**		**3.1500e-003**

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	0.0343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Total	**0.3015**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.9500e-003**	**2.9500e-003**	**1.0000e-005**		**3.1500e-003**

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

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

Costa Mesa Verde In-Line Shops

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	13.49	1000sqft	0.66	13,491.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site acreage

Construction Phase - Construction Phasing

Demolition -

Vehicle Trips - Construction run only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules and Regulations

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	5.00	21.00

tblConstructionPhase	NumDays	100.00	85.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	2.00	11.00
tblConstructionPhase	NumDays	5.00	13.00
tblConstructionPhase	PhaseEndDate	4/30/2017	10/15/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	10/15/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	6/16/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	11/1/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	9/15/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	6/17/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	6/2/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	10/16/2017
tblLandUse	LotAcreage	0.31	0.66
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	89.95	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.6177	15.2259	10.3030	0.0157	0.8645	1.0353	1.5971	0.4434	0.9664	1.1419	0.0000	1,580.1123	1,580.1123	0.3945	0.0000	1,589.9748
Maximum	**7.6177**	**15.2259**	**10.3030**	**0.0157**	**0.8645**	**1.0353**	**1.5971**	**0.4434**	**0.9664**	**1.1419**	**0.0000**	**1,580.1123**	**1,580.1123**	**0.3945**	**0.0000**	**1,589.9748**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.6177	15.2259	10.3030	0.0157	0.3654	1.0353	1.1062	0.1767	0.9664	0.9859	0.0000	1,580.1123	1,580.1123	0.3945	0.0000	1,589.9748
Maximum	**7.6177**	**15.2259**	**10.3030**	**0.0157**	**0.3654**	**1.0353**	**1.1062**	**0.1767**	**0.9664**	**0.9859**	**0.0000**	**1,580.1123**	**1,580.1123**	**0.3945**	**0.0000**	**1,589.9748**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.73**	**0.00**	**30.73**	**60.14**	**0.00**	**13.66**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Energy	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4050**	**0.9411**	**0.7919**	**5.6500e-003**	**0.0000**	**0.0715**	**0.0715**	**0.0000**	**0.0715**	**0.0715**		**1,129.3334**	**1,129.3334**	**0.0217**	**0.0207**	**1,136.0446**

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	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Energy	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4050**	**0.9411**	**0.7919**	**5.6500e-003**	**0.0000**	**0.0715**	**0.0715**	**0.0000**	**0.0715**	**0.0715**		**1,129.3334**	**1,129.3334**	**0.0217**	**0.0207**	**1,136.0446**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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	Architectural Coating	Architectural Coating	9/15/2017	10/15/2017	5	21	
2	Building Construction	Building Construction	6/17/2017	10/15/2017	5	85	
3	Demolition	Demolition	5/1/2017	6/1/2017	5	24	
4	Grading	Grading	6/2/2017	6/16/2017	5	11	
5	Paving	Paving	10/16/2017	11/1/2017	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,237; Non-Residential Outdoor: 6,746; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

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
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	62.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9555					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**6.2878**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

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	5.5800e-003	3.8200e-003	0.0411	1.1000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		11.2771	11.2771	3.3000e-004		11.2854
Total	**5.5800e-003**	**3.8200e-003**	**0.0411**	**1.1000e-004**	**0.0112**	**7.0000e-005**	**0.0113**	**2.9600e-003**	**7.0000e-005**	**3.0300e-003**		**11.2771**	**11.2771**	**3.3000e-004**		**11.2854**

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	5.9555					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**6.2878**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

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	5.5800e-003	3.8200e-003	0.0411	1.1000e-004	8.6500e-003	7.0000e-005	8.7300e-003	2.3400e-003	7.0000e-005	2.4100e-003		11.2771	11.2771	3.3000e-004		11.2854
Total	**5.5800e-003**	**3.8200e-003**	**0.0411**	**1.1000e-004**	**8.6500e-003**	**7.0000e-005**	**8.7300e-003**	**2.3400e-003**	**7.0000e-005**	**2.4100e-003**		**11.2771**	**11.2771**	**3.3000e-004**		**11.2854**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**		**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

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	9.6300e-003	0.2552	0.0771	5.0000e-004	0.0128	2.2600e-003	0.0150	3.6800e-003	2.1600e-003	5.8400e-003		53.8081	53.8081	5.2400e-003		53.9390
Worker	0.0335	0.0229	0.2467	6.8000e-004	0.0671	4.5000e-004	0.0675	0.0178	4.1000e-004	0.0182		67.6627	67.6627	1.9800e-003		67.7122
Total	**0.0431**	**0.2781**	**0.3238**	**1.1800e-003**	**0.0799**	**2.7100e-003**	**0.0826**	**0.0215**	**2.5700e-003**	**0.0240**		**121.4708**	**121.4708**	**7.2200e-003**		**121.6512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473
Total	**1.2812**	**12.7589**	**8.0700**	**0.0114**		**0.8591**	**0.8591**		**0.7904**	**0.7904**	**0.0000**	**1,165.9164**	**1,165.9164**	**0.3572**		**1,174.8473**

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	9.6300e-003	0.2552	0.0771	5.0000e-004	0.0104	2.2600e-003	0.0127	3.1000e-003	2.1600e-003	5.2500e-003		53.8081	53.8081	5.2400e-003		53.9390
Worker	0.0335	0.0229	0.2467	6.8000e-004	0.0519	4.5000e-004	0.0524	0.0141	4.1000e-004	0.0145		67.6627	67.6627	1.9800e-003		67.7122
Total	**0.0431**	**0.2781**	**0.3238**	**1.1800e-003**	**0.0623**	**2.7100e-003**	**0.0650**	**0.0172**	**2.5700e-003**	**0.0197**		**121.4708**	**121.4708**	**7.2200e-003**		**121.6512**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5629	0.0000	0.5629	0.0852	0.0000	0.0852			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.5629**	**0.7318**	**1.2947**	**0.0852**	**0.6978**	**0.7830**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0268	0.8926	0.2075	2.0300e-003	0.0450	5.0500e-003	0.0500	0.0123	4.8300e-003	0.0172		223.8690	223.8690	0.0245		224.4820
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	0.0558	0.0382	0.4112	1.1300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.7711	112.7711	3.3000e-003		112.8536
Total	**0.0826**	**0.9308**	**0.6187**	**3.1600e-003**	**0.1568**	**5.7900e-003**	**0.1626**	**0.0420**	**5.5200e-003**	**0.0475**		**336.6402**	**336.6402**	**0.0278**		**337.3357**

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					0.2086	0.0000	0.2086	0.0316	0.0000	0.0316			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.2086**	**0.7318**	**0.9403**	**0.0316**	**0.6978**	**0.7293**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0268	0.8926	0.2075	2.0300e-003	0.0361	5.0500e-003	0.0412	0.0101	4.8300e-003	0.0150		223.8690	223.8690	0.0245		224.4820
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	0.0558	0.0382	0.4112	1.1300e-003	0.0865	7.4000e-004	0.0873	0.0234	6.9000e-004	0.0241		112.7711	112.7711	3.3000e-003		112.8536
Total	**0.0826**	**0.9308**	**0.6187**	**3.1600e-003**	**0.1226**	**5.7900e-003**	**0.1284**	**0.0336**	**5.5200e-003**	**0.0391**		**336.6402**	**336.6402**	**0.0278**		**337.3357**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.7528**	**0.7318**	**1.4845**	**0.4138**	**0.6978**	**1.1115**		**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0558	0.0382	0.4112	1.1300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.7711	112.7711	3.3000e-003		112.8536
Total	**0.0558**	**0.0382**	**0.4112**	**1.1300e-003**	**0.1118**	**7.4000e-004**	**0.1125**	**0.0296**	**6.9000e-004**	**0.0303**		**112.7711**	**112.7711**	**3.3000e-003**		**112.8536**

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					0.2789	0.0000	0.2789	0.1533	0.0000	0.1533			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	**1.2100**	**10.4978**	**7.9182**	**0.0120**	**0.2789**	**0.7318**	**1.0107**	**0.1533**	**0.6978**	**0.8511**	**0.0000**	**1,179.3075**	**1,179.3075**	**0.2319**		**1,185.1047**

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	0.0558	0.0382	0.4112	1.1300e-003	0.0865	7.4000e-004	0.0873	0.0234	6.9000e-004	0.0241		112.7711	112.7711	3.3000e-003		112.8536
Total	**0.0558**	**0.0382**	**0.4112**	**1.1300e-003**	**0.0865**	**7.4000e-004**	**0.0873**	**0.0234**	**6.9000e-004**	**0.0241**		**112.7711**	**112.7711**	**3.3000e-003**		**112.8536**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636		1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0532**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**		**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

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	0.1005	0.0687	0.7401	2.0400e-003	0.2012	1.3400e-003	0.2025	0.0534	1.2300e-003	0.0546		202.9881	202.9881	5.9400e-003		203.1366
Total	**0.1005**	**0.0687**	**0.7401**	**2.0400e-003**	**0.2012**	**1.3400e-003**	**0.2025**	**0.0534**	**1.2300e-003**	**0.0546**		**202.9881**	**202.9881**	**5.9400e-003**		**203.1366**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0532	9.9754	7.3425	0.0113		0.6087	0.6087		0.5636	0.5636	0.0000	1,085.1071	1,085.1071	0.3018		1,092.6515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0532**	**9.9754**	**7.3425**	**0.0113**		**0.6087**	**0.6087**		**0.5636**	**0.5636**	**0.0000**	**1,085.1071**	**1,085.1071**	**0.3018**		**1,092.6515**

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	0.1005	0.0687	0.7401	2.0400e-003	0.1557	1.3400e-003	0.1571	0.0422	1.2300e-003	0.0434		202.9881	202.9881	5.9400e-003		203.1366
Total	**0.1005**	**0.0687**	**0.7401**	**2.0400e-003**	**0.1557**	**1.3400e-003**	**0.1571**	**0.0422**	**1.2300e-003**	**0.0434**		**202.9881**	**202.9881**	**5.9400e-003**		**203.1366**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Quality Restaurant	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Quality Restaurant	0.00	0.00	0.00	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.552373	0.044229	0.211123	0.119112	0.017503	0.005797	0.024455	0.015685	0.001637	0.001633	0.004830	0.000583	0.001041

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
NaturalGas Unmitigated	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415

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					
Quality Restaurant	9599.31	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Total		**0.1035**	**0.9411**	**0.7905**	**5.6500e-003**		**0.0715**	**0.0715**		**0.0715**	**0.0715**		**1,129.3304**	**1,129.3304**	**0.0217**	**0.0207**	**1,136.0415**

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					
Quality Restaurant	9.59931	0.1035	0.9411	0.7905	5.6500e-003		0.0715	0.0715		0.0715	0.0715		1,129.3304	1,129.3304	0.0217	0.0207	1,136.0415
Total		**0.1035**	**0.9411**	**0.7905**	**5.6500e-003**		**0.0715**	**0.0715**		**0.0715**	**0.0715**		**1,129.3304**	**1,129.3304**	**0.0217**	**0.0207**	**1,136.0415**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Unmitigated	0.3015	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003

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	0.0343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Total	**0.3015**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.9500e-003**	**2.9500e-003**	**1.0000e-005**		**3.1500e-003**

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	0.0343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.9500e-003	2.9500e-003	1.0000e-005		3.1500e-003
Total	**0.3015**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.9500e-003**	**2.9500e-003**	**1.0000e-005**		**3.1500e-003**

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

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

Costa Mesa Verde In-Line Shops

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	13.49	1000sqft	0.66	13,491.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site acreage

Construction Phase - Construction Phasing

Demolition -

Vehicle Trips - Construction run only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules and Regulations

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	5.00	21.00

tblConstructionPhase	NumDays	100.00	85.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	2.00	11.00
tblConstructionPhase	NumDays	5.00	13.00
tblConstructionPhase	PhaseEndDate	4/30/2017	10/15/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	10/15/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	6/16/2017
tblConstructionPhase	PhaseEndDate	4/30/2017	11/1/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	9/15/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	6/17/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	6/2/2017
tblConstructionPhase	PhaseStartDate	5/1/2017	10/16/2017
tblLandUse	LotAcreage	0.31	0.66
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	89.95	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.1520	0.8379	0.5779	9.1000e-004	0.0181	0.0553	0.0734	5.2200e-003	0.0515	0.0567	0.0000	83.1053	83.1053	0.0202	0.0000	83.6090
Maximum	**0.1520**	**0.8379**	**0.5779**	**9.1000e-004**	**0.0181**	**0.0553**	**0.0734**	**5.2200e-003**	**0.0515**	**0.0567**	**0.0000**	**83.1053**	**83.1053**	**0.0202**	**0.0000**	**83.6090**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.1520	0.8379	0.5779	9.1000e-004	9.6400e-003	0.0553	0.0649	2.7600e-003	0.0515	0.0542	0.0000	83.1052	83.1052	0.0202	0.0000	83.6089
Maximum	**0.1520**	**0.8379**	**0.5779**	**9.1000e-004**	**9.6400e-003**	**0.0553**	**0.0649**	**2.7600e-003**	**0.0515**	**0.0542**	**0.0000**	**83.1052**	**83.1052**	**0.0202**	**0.0000**	**83.6089**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.68**	**0.00**	**11.50**	**47.13**	**0.00**	**4.36**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**5-1-2017**	**7-31-2017**	0.4390	0.4390
2	**8-1-2017**	**9-30-2017**	0.3612	0.3612
		Highest	0.4390	0.4390

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	0.0550	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0189	0.1718	0.1443	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	346.4915	346.4915	0.0102	4.7900e-003	348.1732
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2.4988	0.0000	2.4988	0.1477	0.0000	6.1907
Water						0.0000	0.0000		0.0000	0.0000	1.2991	17.9130	19.2121	0.1342	3.3000e-003	23.5506
Total	**0.0739**	**0.1718**	**0.1444**	**1.0300e-003**	**0.0000**	**0.0131**	**0.0131**	**0.0000**	**0.0131**	**0.0131**	**3.7979**	**364.4048**	**368.2027**	**0.2920**	**8.0900e-003**	**377.9149**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0550	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0189	0.1718	0.1443	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	346.4915	346.4915	0.0102	4.7900e-003	348.1732
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2.4988	0.0000	2.4988	0.1477	0.0000	6.1907
Water						0.0000	0.0000		0.0000	0.0000	1.2991	17.9130	19.2121	0.1342	3.3000e-003	23.5506
Total	**0.0739**	**0.1718**	**0.1444**	**1.0300e-003**	**0.0000**	**0.0131**	**0.0131**	**0.0000**	**0.0131**	**0.0131**	**3.7979**	**364.4048**	**368.2027**	**0.2920**	**8.0900e-003**	**377.9149**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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	Architectural Coating	Architectural Coating	9/15/2017	10/15/2017	5	21	
2	Building Construction	Building Construction	6/17/2017	10/15/2017	5	85	
3	Demolition	Demolition	5/1/2017	6/1/2017	5	24	
4	Grading	Grading	6/2/2017	6/16/2017	5	11	
5	Paving	Paving	10/16/2017	11/1/2017	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,237; Non-Residential Outdoor: 6,746; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

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
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	62.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0625					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4900e-003	0.0229	0.0196	3.0000e-005		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	2.6809	2.6809	2.8000e-004	0.0000	2.6880
Total	**0.0660**	**0.0229**	**0.0196**	**3.0000e-005**		**1.8200e-003**	**1.8200e-003**		**1.8200e-003**	**1.8200e-003**	**0.0000**	**2.6809**	**2.6809**	**2.8000e-004**	**0.0000**	**2.6880**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.4000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1091	0.1091	0.0000	0.0000	0.1091
Total	**5.0000e-005**	**4.0000e-005**	**4.4000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1091**	**0.1091**	**0.0000**	**0.0000**	**0.1091**

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	0.0625					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4900e-003	0.0229	0.0196	3.0000e-005		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	2.6809	2.6809	2.8000e-004	0.0000	2.6880
Total	**0.0660**	**0.0229**	**0.0196**	**3.0000e-005**		**1.8200e-003**	**1.8200e-003**		**1.8200e-003**	**1.8200e-003**	**0.0000**	**2.6809**	**2.6809**	**2.8000e-004**	**0.0000**	**2.6880**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.4000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1091	0.1091	0.0000	0.0000	0.1091
Total	**5.0000e-005**	**4.0000e-005**	**4.4000e-004**	**0.0000**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.1091**	**0.1091**	**0.0000**	**0.0000**	**0.1091**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0545	0.5423	0.3430	4.8000e-004		0.0365	0.0365		0.0336	0.0336	0.0000	44.9523	44.9523	0.0138	0.0000	45.2967
Total	**0.0545**	**0.5423**	**0.3430**	**4.8000e-004**		**0.0365**	**0.0365**		**0.0336**	**0.0336**	**0.0000**	**44.9523**	**44.9523**	**0.0138**	**0.0000**	**45.2967**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0111	3.1400e-003	2.0000e-005	5.4000e-004	9.0000e-005	6.3000e-004	1.5000e-004	9.0000e-005	2.5000e-004	0.0000	2.1035	2.1035	2.0000e-004	0.0000	2.1084
Worker	1.2800e-003	1.0000e-003	0.0107	3.0000e-005	2.8000e-003	2.0000e-005	2.8200e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.6485	2.6485	8.0000e-005	0.0000	2.6504
Total	**1.6800e-003**	**0.0121**	**0.0139**	**5.0000e-005**	**3.3400e-003**	**1.1000e-004**	**3.4500e-003**	**8.9000e-004**	**1.1000e-004**	**1.0100e-003**	**0.0000**	**4.7519**	**4.7519**	**2.8000e-004**	**0.0000**	**4.7588**

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	0.0545	0.5423	0.3430	4.8000e-004		0.0365	0.0365		0.0336	0.0336	0.0000	44.9523	44.9523	0.0138	0.0000	45.2966
Total	**0.0545**	**0.5423**	**0.3430**	**4.8000e-004**		**0.0365**	**0.0365**		**0.0336**	**0.0336**	**0.0000**	**44.9523**	**44.9523**	**0.0138**	**0.0000**	**45.2966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0111	3.1400e-003	2.0000e-005	4.4000e-004	9.0000e-005	5.3000e-004	1.3000e-004	9.0000e-005	2.2000e-004	0.0000	2.1035	2.1035	2.0000e-004	0.0000	2.1084
Worker	1.2800e-003	1.0000e-003	0.0107	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.9000e-004	2.0000e-005	6.1000e-004	0.0000	2.6485	2.6485	8.0000e-005	0.0000	2.6504
Total	**1.6800e-003**	**0.0121**	**0.0139**	**5.0000e-005**	**2.6100e-003**	**1.1000e-004**	**2.7200e-003**	**7.2000e-004**	**1.1000e-004**	**8.3000e-004**	**0.0000**	**4.7519**	**4.7519**	**2.8000e-004**	**0.0000**	**4.7588**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.7500e-003	0.0000	6.7500e-003	1.0200e-003	0.0000	1.0200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.1260	0.0950	1.4000e-004		8.7800e-003	8.7800e-003		8.3700e-003	8.3700e-003	0.0000	12.8382	12.8382	2.5200e-003	0.0000	12.9013
Total	**0.0145**	**0.1260**	**0.0950**	**1.4000e-004**	**6.7500e-003**	**8.7800e-003**	**0.0155**	**1.0200e-003**	**8.3700e-003**	**9.3900e-003**	**0.0000**	**12.8382**	**12.8382**	**2.5200e-003**	**0.0000**	**12.9013**

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	3.2000e-004	0.0109	2.4100e-003	2.0000e-005	5.3000e-004	6.0000e-005	5.9000e-004	1.5000e-004	6.0000e-005	2.0000e-004	0.0000	2.4574	2.4574	2.6000e-004	0.0000	2.4640
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	5.0500e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.2463	1.2463	4.0000e-005	0.0000	1.2473
Total	**9.2000e-004**	**0.0114**	**7.4600e-003**	**3.0000e-005**	**1.8500e-003**	**7.0000e-005**	**1.9200e-003**	**5.0000e-004**	**7.0000e-005**	**5.6000e-004**	**0.0000**	**3.7038**	**3.7038**	**3.0000e-004**	**0.0000**	**3.7113**

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					2.5000e-003	0.0000	2.5000e-003	3.8000e-004	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.1260	0.0950	1.4000e-004		8.7800e-003	8.7800e-003		8.3700e-003	8.3700e-003	0.0000	12.8382	12.8382	2.5200e-003	0.0000	12.9013
Total	**0.0145**	**0.1260**	**0.0950**	**1.4000e-004**	**2.5000e-003**	**8.7800e-003**	**0.0113**	**3.8000e-004**	**8.3700e-003**	**8.7500e-003**	**0.0000**	**12.8382**	**12.8382**	**2.5200e-003**	**0.0000**	**12.9013**

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	3.2000e-004	0.0109	2.4100e-003	2.0000e-005	4.3000e-004	6.0000e-005	4.9000e-004	1.2000e-004	6.0000e-005	1.8000e-004	0.0000	2.4574	2.4574	2.6000e-004	0.0000	2.4640
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	5.0500e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.2463	1.2463	4.0000e-005	0.0000	1.2473
Total	**9.2000e-004**	**0.0114**	**7.4600e-003**	**3.0000e-005**	**1.4500e-003**	**7.0000e-005**	**1.5200e-003**	**4.0000e-004**	**7.0000e-005**	**4.7000e-004**	**0.0000**	**3.7038**	**3.7038**	**3.0000e-004**	**0.0000**	**3.7113**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1400e-003	0.0000	4.1400e-003	2.2800e-003	0.0000	2.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0577	0.0436	7.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.8842	5.8842	1.1600e-003	0.0000	5.9131
Total	**6.6500e-003**	**0.0577**	**0.0436**	**7.0000e-005**	**4.1400e-003**	**4.0200e-003**	**8.1600e-003**	**2.2800e-003**	**3.8400e-003**	**6.1200e-003**	**0.0000**	**5.8842**	**5.8842**	**1.1600e-003**	**0.0000**	**5.9131**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.3100e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5712	0.5712	2.0000e-005	0.0000	0.5717
Total	**2.8000e-004**	**2.2000e-004**	**2.3100e-003**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**6.1000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.5712**	**0.5712**	**2.0000e-005**	**0.0000**	**0.5717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5300e-003	0.0000	1.5300e-003	8.4000e-004	0.0000	8.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0577	0.0436	7.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.8842	5.8842	1.1600e-003	0.0000	5.9131
Total	**6.6500e-003**	**0.0577**	**0.0436**	**7.0000e-005**	**1.5300e-003**	**4.0200e-003**	**5.5500e-003**	**8.4000e-004**	**3.8400e-003**	**4.6800e-003**	**0.0000**	**5.8842**	**5.8842**	**1.1600e-003**	**0.0000**	**5.9131**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.3100e-003	1.0000e-005	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.5712	0.5712	2.0000e-005	0.0000	0.5717
Total	**2.8000e-004**	**2.2000e-004**	**2.3100e-003**	**1.0000e-005**	**4.7000e-004**	**0.0000**	**4.7000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.5712**	**0.5712**	**2.0000e-005**	**0.0000**	**0.5717**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8500e-003	0.0648	0.0477	7.0000e-005		3.9600e-003	3.9600e-003		3.6600e-003	3.6600e-003	0.0000	6.3986	6.3986	1.7800e-003	0.0000	6.4430
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.8500e-003**	**0.0648**	**0.0477**	**7.0000e-005**		**3.9600e-003**	**3.9600e-003**		**3.6600e-003**	**3.6600e-003**	**0.0000**	**6.3986**	**6.3986**	**1.7800e-003**	**0.0000**	**6.4430**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.6000e-004	4.9200e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2152	1.2152	4.0000e-005	0.0000	1.2161
Total	**5.9000e-004**	**4.6000e-004**	**4.9200e-003**	**1.0000e-005**	**1.2800e-003**	**1.0000e-005**	**1.2900e-003**	**3.4000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.2152**	**1.2152**	**4.0000e-005**	**0.0000**	**1.2161**

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	6.8500e-003	0.0648	0.0477	7.0000e-005		3.9600e-003	3.9600e-003		3.6600e-003	3.6600e-003	0.0000	6.3985	6.3985	1.7800e-003	0.0000	6.4430
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.8500e-003**	**0.0648**	**0.0477**	**7.0000e-005**		**3.9600e-003**	**3.9600e-003**		**3.6600e-003**	**3.6600e-003**	**0.0000**	**6.3985**	**6.3985**	**1.7800e-003**	**0.0000**	**6.4430**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.6000e-004	4.9200e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	1.2152	1.2152	4.0000e-005	0.0000	1.2161
Total	**5.9000e-004**	**4.6000e-004**	**4.9200e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**1.0000e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**1.2152**	**1.2152**	**4.0000e-005**	**0.0000**	**1.2161**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Quality Restaurant	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Quality Restaurant	0.00	0.00	0.00	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.552373	0.044229	0.211123	0.119112	0.017503	0.005797	0.024455	0.015685	0.001637	0.001633	0.004830	0.000583	0.001041

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	0.0000	159.5181	159.5181	6.5900e-003	1.3600e-003	160.0888
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	159.5181	159.5181	6.5900e-003	1.3600e-003	160.0888
NaturalGas Mitigated	0.0189	0.1718	0.1443	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	186.9733	186.9733	3.5800e-003	3.4300e-003	188.0844
NaturalGas Unmitigated	0.0189	0.1718	0.1443	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	186.9733	186.9733	3.5800e-003	3.4300e-003	188.0844

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					
Quality Restaurant	3.50375e+006	0.0189	0.1718	0.1443	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	186.9733	186.9733	3.5800e-003	3.4300e-003	188.0844
Total		**0.0189**	**0.1718**	**0.1443**	**1.0300e-003**		**0.0131**	**0.0131**		**0.0131**	**0.0131**	**0.0000**	**186.9733**	**186.9733**	**3.5800e-003**	**3.4300e-003**	**188.0844**

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					
Quality Restaurant	3.50375e+006	0.0189	0.1718	0.1443	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	186.9733	186.9733	3.5800e-003	3.4300e-003	188.0844
Total		**0.0189**	**0.1718**	**0.1443**	**1.0300e-003**		**0.0131**	**0.0131**		**0.0131**	**0.0131**	**0.0000**	**186.9733**	**186.9733**	**3.5800e-003**	**3.4300e-003**	**188.0844**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Quality Restaurant	500651	159.5181	6.5900e-003	1.3600e-003	160.0888
Total		**159.5181**	**6.5900e-003**	**1.3600e-003**	**160.0888**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Quality Restaurant	500651	159.5181	6.5900e-003	1.3600e-003	160.0888
Total		**159.5181**	**6.5900e-003**	**1.3600e-003**	**160.0888**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0550	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.6000e-004
Unmitigated	0.0550	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.6000e-004

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	6.2500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0488					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.6000e-004
Total	**0.0550**	**0.0000**	**1.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.0000**	**3.6000e-004**

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	6.2500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0488					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.6000e-004
Total	**0.0550**	**0.0000**	**1.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.0000**	**3.6000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.2121	0.1342	3.3000e-003	23.5506
Unmitigated	19.2121	0.1342	3.3000e-003	23.5506

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Quality Restaurant	4.09467 / 0.261362	19.2121	0.1342	3.3000e-003	23.5506
Total		**19.2121**	**0.1342**	**3.3000e-003**	**23.5506**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Quality Restaurant	4.09467 / 0.261362	19.2121	0.1342	3.3000e-003	23.5506
Total		**19.2121**	**0.1342**	**3.3000e-003**	**23.5506**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.4988	0.1477	0.0000	6.1907
Unmitigated	2.4988	0.1477	0.0000	6.1907

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Quality Restaurant	12.31	2.4988	0.1477	0.0000	6.1907
Total		**2.4988**	**0.1477**	**0.0000**	**6.1907**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Quality Restaurant	12.31	2.4988	0.1477	0.0000	6.1907
Total		**2.4988**	**0.1477**	**0.0000**	**6.1907**

9.0 Operational Offroad

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

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