

Appendix C
Air Quality and Greenhouse Gas Emissions
Calculations

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CASF Olinda
Shasta County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.00	1000sqft	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	82
Climate Zone	3			Operational Year	2016
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Buried conduit would be installed by plowing, trenching, and directional boring and the nodes would be installed using a backhoe. Progress rates are 2 miles/day for plowing and trenching, 800 feet/day for boring (two crews working), and two nodes/day for the node installations.

Off-road Equipment - Approximately 90% of the plowed/trenched installations would be installed by plowing and the remaining 10% by trenching. Plowed conduit would be installed by a dozer equipped with a plow and cable reel. A second dozer may be used in tandem with the plow dozer in difficult areas. Trenched conduit would be installed using a backhoe or compact excavator.

Off-road Equipment - Bored conduit would be installed using a horizontal drilling rig with the assistance of a backhoe. The air compressor will be used for conduit pigging and blowing fiber through the conduit. The mud pump will be used for evacuating drilling fluid and the backhoe will be used for digging bore pits.

Off-road Equipment - Nodes (buried vaults) would be installed using a backhoe.

Trips and VMT - Vendor trips include conduit, cable, and node delivery and water truck visits for dust control. Workers are assumed to be based in Anderson and vendors in Redding. Conduit and cable would be delivered at a rate of 2/day for plowed installations and 1/day for bored installations (2 bore crews). Node vaults would be delivered in a daily trip carrying both vaults to be installed. The water truck would apply water twice daily for all construction phases.

On-road Fugitive Dust - All roads in the project area are paved.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblOffRoadEquipment	HorsePower	208.00	81.00
tblOffRoadEquipment	HorsePower	205.00	174.00
tblOffRoadEquipment	HorsePower	78.00	255.00
tblOffRoadEquipment	LoadFactor	0.43	0.73
tblOffRoadEquipment	LoadFactor	0.50	0.41
tblOffRoadEquipment	LoadFactor	0.48	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblProjectCharacteristics	OperationalYear	2014	2016
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	VendorTripLength	6.60	22.00
tblTripsAndVMT	VendorTripLength	6.60	22.00
tblTripsAndVMT	VendorTripLength	6.60	22.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripLength	16.80	11.00
tblTripsAndVMT	WorkerTripLength	16.80	11.00
tblTripsAndVMT	WorkerTripLength	16.80	11.00
tblTripsAndVMT	WorkerTripNumber	10.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	8.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

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

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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	Plowed/trenched conduit installation	Trenching	3/21/2016	3/23/2016	5	3	
2	Bored conduit installation	Trenching	3/24/2016	5/24/2016	5	44	
3	Node installation	Trenching	5/25/2016	5/27/2016	5	3	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Bored conduit installation	Pumps	2	8.00	84	0.74
Bored conduit installation	Air Compressors	2	4.00	78	0.48
Plowed/trenched conduit installation	Crawler Tractors	2	8.00	81	0.73
Bored conduit installation	Bore/Drill Rigs	2	8.00	174	0.41
Plowed/trenched conduit installation	Air Compressors	1	4.00	255	0.40
Plowed/trenched conduit installation	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Node installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Bored conduit installation	Tractors/Loaders/Backhoes	2	4.00	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
Plowed/trenched conduit installation	4	4.00	4.00	0.00	11.00	22.00	20.00	LD_Mix	HDT_Mix	HHDT
Bored conduit installation	8	8.00	4.00	0.00	11.00	22.00	20.00	LD_Mix	HDT_Mix	HHDT
Node installation	1	4.00	3.00	0.00	11.00	22.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Plowed/trenched conduit installation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2012	18.9059	10.3719	0.0155		1.4456	1.4456		1.3373	1.3373		1,658.473 3	1,658.473 3	0.3731		1,666.307 3
Total	2.2012	18.9059	10.3719	0.0155		1.4456	1.4456		1.3373	1.3373		1,658.473 3	1,658.473 3	0.3731		1,666.307 3

3.2 Plowed/trenched conduit installation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0940	1.0126	0.8879	2.7200e-003	0.0801	0.0182	0.0983	0.0229	0.0167	0.0396		273.8098	273.8098	2.0100e-003		273.8521
Worker	0.0212	0.0271	0.2503	3.9000e-004	0.0335	3.0000e-004	0.0338	8.8800e-003	2.7000e-004	9.1400e-003		31.8615	31.8615	2.0200e-003		31.9039
Total	0.1152	1.0396	1.1382	3.1100e-003	0.1135	0.0185	0.1320	0.0317	0.0170	0.0487		305.6713	305.6713	4.0300e-003		305.7561

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	2.2012	18.9059	10.3719	0.0155		1.4456	1.4456		1.3373	1.3373	0.0000	1,658.4733	1,658.4733	0.3731		1,666.3073
Total	2.2012	18.9059	10.3719	0.0155		1.4456	1.4456		1.3373	1.3373	0.0000	1,658.4733	1,658.4733	0.3731		1,666.3073

3.2 Plowed/trenched conduit installation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0940	1.0126	0.8879	2.7200e-003	0.0801	0.0182	0.0983	0.0229	0.0167	0.0396		273.8098	273.8098	2.0100e-003			273.8521
Worker	0.0212	0.0271	0.2503	3.9000e-004	0.0335	3.0000e-004	0.0338	8.8800e-003	2.7000e-004	9.1400e-003		31.8615	31.8615	2.0200e-003			31.9039
Total	0.1152	1.0396	1.1382	3.1100e-003	0.1135	0.0185	0.1320	0.0317	0.0170	0.0487		305.6713	305.6713	4.0300e-003			305.7561

3.3 Bored conduit installation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.8880	25.3357	20.2573	0.0326		1.6328	1.6328		1.5801	1.5801		3,232.0024	3,232.0024	0.6507			3,245.6665
Total	2.8880	25.3357	20.2573	0.0326		1.6328	1.6328		1.5801	1.5801		3,232.0024	3,232.0024	0.6507			3,245.6665

3.3 Bored conduit installation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0940	1.0126	0.8879	2.7200e-003	0.0801	0.0182	0.0983	0.0229	0.0167	0.0396		273.8098	273.8098	2.0100e-003			273.8521
Worker	0.0424	0.0541	0.5006	7.8000e-004	0.0669	5.9000e-004	0.0675	0.0178	5.3000e-004	0.0183		63.7230	63.7230	4.0400e-003			63.8079
Total	0.1364	1.0667	1.3885	3.5000e-003	0.1470	0.0188	0.1658	0.0406	0.0173	0.0579		337.5328	337.5328	6.0500e-003			337.6600

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	2.8880	25.3357	20.2573	0.0326		1.6328	1.6328		1.5801	1.5801	0.0000	3,232.0024	3,232.0024	0.6507			3,245.6665
Total	2.8880	25.3357	20.2573	0.0326		1.6328	1.6328		1.5801	1.5801	0.0000	3,232.0024	3,232.0024	0.6507			3,245.6665

3.3 Bored conduit installation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0940	1.0126	0.8879	2.7200e-003	0.0801	0.0182	0.0983	0.0229	0.0167	0.0396		273.8098	273.8098	2.0100e-003			273.8521
Worker	0.0424	0.0541	0.5006	7.8000e-004	0.0669	5.9000e-004	0.0675	0.0178	5.3000e-004	0.0183		63.7230	63.7230	4.0400e-003			63.8079
Total	0.1364	1.0667	1.3885	3.5000e-003	0.1470	0.0188	0.1658	0.0406	0.0173	0.0579		337.5328	337.5328	6.0500e-003			337.6600

3.4 Node installation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306		323.6773	323.6773	0.0976			325.7276
Total	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306		323.6773	323.6773	0.0976			325.7276

3.4 Node installation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0705	0.7594	0.6660	2.0400e-003	0.0601	0.0136	0.0737	0.0171	0.0126	0.0297		205.3574	205.3574	1.5100e-003			205.3891
Worker	0.0212	0.0271	0.2503	3.9000e-004	0.0335	3.0000e-004	0.0338	8.8800e-003	2.7000e-004	9.1400e-003		31.8615	31.8615	2.0200e-003			31.9039
Total	0.0917	0.7865	0.9163	2.4300e-003	0.0935	0.0139	0.1075	0.0260	0.0128	0.0388		237.2189	237.2189	3.5300e-003			237.2930

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306	0.0000	323.6773	323.6773	0.0976			325.7276
Total	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306	0.0000	323.6773	323.6773	0.0976			325.7276

3.4 Node installation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0705	0.7594	0.6660	2.0400e-003	0.0601	0.0136	0.0737	0.0171	0.0126	0.0297		205.3574	205.3574	1.5100e-003		205.3891
Worker	0.0212	0.0271	0.2503	3.9000e-004	0.0335	3.0000e-004	0.0338	8.8800e-003	2.7000e-004	9.1400e-003		31.8615	31.8615	2.0200e-003		31.9039
Total	0.0917	0.7865	0.9163	2.4300e-003	0.0935	0.0139	0.1075	0.0260	0.0128	0.0388		237.2189	237.2189	3.5300e-003		237.2930

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.367987	0.038728	0.199626	0.150774	0.087429	0.010156	0.017516	0.110116	0.001585	0.000824	0.009152	0.001417	0.004690

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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