APPENDIX B. CALEEMOD RESULTS

CASF Winterhaven

Imperial 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)**	3.4	**Precipitation Freq (Days)**	12
Climate Zone	15			**Operational Year**	2016
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**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 and directional boring and the nodes would be installed by backhoe. Progress rates are 2 miles/day for plowing, 400 feet/day for boring, and two nodes/day would be installed.

Off-road Equipment - 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. The air compressor will be used for conduit pigging and blowing fiber through the conduit.

Off-road Equipment - Bored conduit would be installed with a horizontal drilling rig with the assistance of a backhoe. The air compressor wil 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 and cable delivery and water truck visits for dust control. Workers are assumed to be based in Winterhaven and vendors in Yuma. Conduit and fiber reels would be delivered at a rate of 2/day for plowed installations and 1/day for bored installations. Node vaults would be delivered in a daily trip carrying both vaults to be installed. The water truck, included as a vendor trip, would apply water for dust control twice a day for each construction phase

Construction Off-road Equipment Mitigation - Disturbed areas will be watered twice a day and vehicle speed will be limited to 25mph on unpaved roads.

On-road Fugitive Dust - Approximately 10% of the roads in the project area are not paved (Haughtelin, Perez, and Fisher).

Road Dust - Approximately 10% of the roads in the project area are not paved. See previous comment.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	PhaseStartDate	3/5/2016	3/7/2016
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOnRoadDust	VendorPercentPave	50.00	10.00
tblOnRoadDust	VendorPercentPave	50.00	10.00
tblOnRoadDust	VendorPercentPave	50.00	10.00

tblOnRoadDust	WorkerPercentPave	50.00	10.00
tblOnRoadDust	WorkerPercentPave	50.00	10.00
tblOnRoadDust	WorkerPercentPave	50.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	50	90
tblTripsAndVMT	VendorTripLength	11.90	8.90
tblTripsAndVMT	VendorTripLength	11.90	8.90
tblTripsAndVMT	VendorTripLength	11.90	8.90
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripLength	10.20	7.30
tblTripsAndVMT	WorkerTripLength	10.20	7.30
tblTripsAndVMT	WorkerTripLength	10.20	7.30
tblTripsAndVMT	WorkerTripNumber	10.00	3.00
tblTripsAndVMT	WorkerTripNumber	20.00	3.00

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					
2016	3.2609	30.3137	19.8301	0.0418	76.1793	1.7907	77.1859	7.6047	1.7254	8.5518	0.0000	4,173.7067	4,173.7067	0.9095	0.0000	4,192.8066
Total	**3.2609**	**30.3137**	**19.8301**	**0.0418**	**76.1793**	**1.7907**	**77.1859**	**7.6047**	**1.7254**	**8.5518**	**0.0000**	**4,173.7067**	**4,173.7067**	**0.9095**	**0.0000**	**4,192.8066**

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					
2016	3.2609	30.3137	19.8301	0.0418	60.2241	1.7907	61.2307	6.0092	1.7254	6.9563	0.0000	4,173.7067	4,173.7067	0.9095	0.0000	4,192.8066
Total	**3.2609**	**30.3137**	**19.8301**	**0.0418**	**60.2241**	**1.7907**	**61.2307**	**6.0092**	**1.7254**	**6.9563**	**0.0000**	**4,173.7067**	**4,173.7067**	**0.9095**	**0.0000**	**4,192.8066**

	ROG	NOx	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**	**20.94**	**0.00**	**20.67**	**20.98**	**0.00**	**18.66**	**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	0.0000	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	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	Plowed conduit installation	Trenching	1/12/2016	1/20/2016	5	7	
2	Bored conduit installation	Trenching	1/21/2016	3/4/2016	5	32	
3	Node installation	Trenching	3/7/2016	3/11/2016	5	5	

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
Node installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Bored conduit installation	Pumps	2	8.00	84	0.74
Plowed conduit installation	Crawler Tractors	2	8.00	208	0.43
Bored conduit installation	Air Compressors	2	4.00	78	0.48
Plowed conduit installation	Air Compressors	2	4.00	78	0.48
Bored conduit installation	Bore/Drill Rigs	2	8.00	205	0.50
Bored conduit installation	Tractors/Loaders/Backhoes	2	8.00	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 conduit installation	4	3.00	4.00	0.00	7.30	8.90	20.00	LD_Mix	HDT_Mix	HHDT
Bored conduit installation	8	3.00	3.00	0.00	7.30	8.90	20.00	LD_Mix	HDT_Mix	HHDT
Node installation	1	3.00	3.00	0.00	7.30	8.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Plowed 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	1.9070	22.2421	8.2000	0.0194		0.9978	0.9978		0.9390	0.9390		1,975.9201	1,975.9201	0.5271		1,986.9883
Total	**1.9070**	**22.2421**	**8.2000**	**0.0194**		**0.9978**	**0.9978**		**0.9390**	**0.9390**		**1,975.9201**	**1,975.9201**	**0.5271**		**1,986.9883**

3.2 Plowed 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	0.0525	0.4120	0.6723	1.0100e-003	47.1667	8.7100e-003	47.1754	4.7090	8.0100e-003	4.7170		100.3676	100.3676	6.2000e-004		100.3806
Worker	0.0155	0.0202	0.1677	1.8000e-004	29.0126	1.3000e-004	29.0127	2.8957	1.2000e-004	2.8959		14.2589	14.2589	1.3400e-003		14.2870
Total	**0.0680**	**0.4322**	**0.8400**	**1.1900e-003**	**76.1793**	**8.8400e-003**	**76.1881**	**7.6047**	**8.1300e-003**	**7.6129**		**114.6265**	**114.6265**	**1.9600e-003**		**114.6676**

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	1.9070	22.2421	8.2000	0.0194		0.9978	0.9978		0.9390	0.9390	0.0000	1,975.9201	1,975.9201	0.5271		1,986.9883
Total	**1.9070**	**22.2421**	**8.2000**	**0.0194**		**0.9978**	**0.9978**		**0.9390**	**0.9390**	**0.0000**	**1,975.9201**	**1,975.9201**	**0.5271**		**1,986.9883**

3.2 Plowed 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	0.0525	0.4120	0.6723	1.0100e-003	37.2883	8.7100e-003	37.2971	3.7212	8.0100e-003	3.7292		100.3676	100.3676	6.2000e-004		100.3806
Worker	0.0155	0.0202	0.1677	1.8000e-004	22.9357	1.3000e-004	22.9359	2.2881	1.2000e-004	2.2882		14.2589	14.2589	1.3400e-003		14.2870
Total	**0.0680**	**0.4322**	**0.8400**	**1.1900e-003**	**60.2241**	**8.8400e-003**	**60.2329**	**6.0092**	**8.1300e-003**	**6.0174**		**114.6265**	**114.6265**	**1.9600e-003**		**114.6676**

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	3.2061	29.9845	19.1582	0.0408		1.7840	1.7840		1.7193	1.7193		4,084.1721	4,084.1721	0.9077		4,103.2342
Total	**3.2061**	**29.9845**	**19.1582**	**0.0408**		**1.7840**	**1.7840**		**1.7193**	**1.7193**		**4,084.1721**	**4,084.1721**	**0.9077**		**4,103.2342**

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	0.0394	0.3090	0.5043	7.5000e-004	35.3750	6.5300e-003	35.3816	3.5318	6.0100e-003	3.5378		75.2757	75.2757	4.6000e-004		75.2855
Worker	0.0155	0.0202	0.1677	1.8000e-004	29.0126	1.3000e-004	29.0127	2.8957	1.2000e-004	2.8959		14.2589	14.2589	1.3400e-003		14.2870
Total	**0.0548**	**0.3292**	**0.6719**	**9.3000e-004**	**64.3876**	**6.6600e-003**	**64.3943**	**6.4275**	**6.1300e-003**	**6.4336**		**89.5346**	**89.5346**	**1.8000e-003**		**89.5724**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2061	29.9845	19.1582	0.0408		1.7840	1.7840		1.7193	1.7193	0.0000	4,084.1721	4,084.1721	0.9077		4,103.2342
Total	**3.2061**	**29.9845**	**19.1582**	**0.0408**		**1.7840**	**1.7840**		**1.7193**	**1.7193**	**0.0000**	**4,084.1721**	**4,084.1721**	**0.9077**		**4,103.2342**

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	0.0394	0.3090	0.5043	7.5000e-004	27.9663	6.5300e-003	27.9728	2.7909	6.0100e-003	2.7969		75.2757	75.2757	4.6000e-004		75.2855
Worker	0.0155	0.0202	0.1677	1.8000e-004	22.9357	1.3000e-004	22.9359	2.2881	1.2000e-004	2.2882		14.2589	14.2589	1.3400e-003		14.2870
Total	**0.0548**	**0.3292**	**0.6719**	**9.3000e-004**	**50.9020**	**6.6600e-003**	**50.9087**	**5.0789**	**6.1300e-003**	**5.0851**		**89.5346**	**89.5346**	**1.8000e-003**		**89.5724**

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	0.3392	3.2419	2.4028	3.1000e-003		0.2496	0.2496		0.2296	0.2296		322.3651	322.3651	0.0972		324.4071
Total	**0.3392**	**3.2419**	**2.4028**	**3.1000e-003**		**0.2496**	**0.2496**		**0.2296**	**0.2296**		**322.3651**	**322.3651**	**0.0972**		**324.4071**

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	0.0394	0.3090	0.5043	7.5000e-004	35.3750	6.5300e-003	35.3816	3.5318	6.0100e-003	3.5378		75.2757	75.2757	4.6000e-004		75.2855
Worker	0.0155	0.0202	0.1677	1.8000e-004	29.0126	1.3000e-004	29.0127	2.8957	1.2000e-004	2.8959		14.2589	14.2589	1.3400e-003		14.2870
Total	**0.0548**	**0.3292**	**0.6719**	**9.3000e-004**	**64.3876**	**6.6600e-003**	**64.3943**	**6.4275**	**6.1300e-003**	**6.4336**		**89.5346**	**89.5346**	**1.8000e-003**		**89.5724**

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	0.3392	3.2419	2.4028	3.1000e-003		0.2496	0.2496		0.2296	0.2296	0.0000	322.3651	322.3651	0.0972		324.4071
Total	**0.3392**	**3.2419**	**2.4028**	**3.1000e-003**		**0.2496**	**0.2496**		**0.2296**	**0.2296**	**0.0000**	**322.3651**	**322.3651**	**0.0972**		**324.4071**

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	0.0394	0.3090	0.5043	7.5000e-004	27.9663	6.5300e-003	27.9728	2.7909	6.0100e-003	2.7969		75.2757	75.2757	4.6000e-004		75.2855
Worker	0.0155	0.0202	0.1677	1.8000e-004	22.9357	1.3000e-004	22.9359	2.2881	1.2000e-004	2.2882		14.2589	14.2589	1.3400e-003		14.2870
Total	**0.0548**	**0.3292**	**0.6719**	**9.3000e-004**	**50.9020**	**6.6600e-003**	**50.9087**	**5.0789**	**6.1300e-003**	**5.0851**		**89.5346**	**89.5346**	**1.8000e-003**		**89.5724**

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
General Light Industry	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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.40	9.50	11.90	59.00	28.00	13.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.452463	0.070907	0.165532	0.163183	0.043777	0.005595	0.012812	0.078576	0.001869	0.000152	0.002393	0.000687	0.002054

4.4 Fleet Mix

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	0.0000	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

10.0 Vegetation