



11.4 Air Quality and Greenhouse Gas Data

**Parenthetical CALEEMOD Assumptions
For: Inn at the Village
Date: May 2014**

CONSTRUCTION

Demolition (2015)

- 7 days

Equipment:

Quantity	Type	Hours of Daily Operation
1	Concrete/Industrial Saws	8
1	Rubber Tired Dozers	8
3	Tractor/Loader/Backhoe	8

Grading (2015)

- 200 cubic yards of cut, 100 cubic yards of fill,
- 100 cubic yards of export
- 22 days

Equipment:

Quantity	Type	Hours of Daily Operation
1	Graders	8
1	Rubber Tired Dozers	8
2	Tractor/Loader/Backhoe	7

Building Construction (2015)

- 220 days

Equipment:

Quantity	Type	Hours of Daily Operation
1	Crane	8
2	Forklifts	7
1	Generator Sets	8
1	Tractors/Loaders/Backhoes	6
3	Welder	8

Paving (2015)

- 4 days

Equipment:

<u>Quantity</u>	<u>Type</u>	<u>Hours of Daily Operation</u>
1	Cement and Mortar Mixers	8
1	Paver	8
1	Paving Equipment	6
2	Roller	8
1	Tractors/Loaders/Backhoes	8

Architectural Coating (2015)

- 40 days.

Equipment (CALEEMOD Default):

<u>Quantity</u>	<u>Type</u>	<u>Hours of Daily Operation</u>
1	Air Compressor	6

OPERATIONS

- 67-room hotel
- 190 daily trips

Inn at the Village
Great Basin Valleys Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	67.00	Room	2.23	97,284.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	9			Operational Year	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	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 - anticipated schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - 200 CY cut and 100 CY of export

Demolition - Demolition is for Sidewalk Removal

Vehicle Trips - trip rate per Traffic Study/LSA Associates

Mobile Land Use Mitigation -

Water Mitigation -

Construction Off-road Equipment Mitigation - GBUAPCD standard mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	10.00	4.00
tblConstructionPhase	PhaseEndDate	12/21/2015	11/5/2015
tblConstructionPhase	PhaseStartDate	1/10/2015	1/12/2015
tblConstructionPhase	PhaseStartDate	12/16/2015	11/1/2015
tblGrading	AcresOfGrading	11.00	3.00
tblGrading	MaterialExported	0.00	100.00
tblGrading	MaterialImported	0.00	200.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	WD_TR	8.17	2.80

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					
2015	61.6447	47.8830	40.0958	0.0547	6.3183	3.0394	8.0791	3.3663	2.8654	4.9862	0.0000	5,281.9059	5,281.9059	1.1641	0.0000	5,306.3512

Total	61.6447	47.8830	40.0958	0.0547	6.3183	3.0394	8.0791	3.3663	2.8654	4.9862	0.0000	5,281.9059	5,281.9059	1.1641	0.0000	5,306.3512
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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					
2015	61.6447	47.8830	40.0958	0.0547	2.7543	3.0394	4.5151	1.4540	2.8654	3.0739	0.0000	5,281.9059	5,281.9059	1.1641	0.0000	5,306.3512
Total	61.6447	47.8830	40.0958	0.0547	2.7543	3.0394	4.5151	1.4540	2.8654	3.0739	0.0000	5,281.9059	5,281.9059	1.1641	0.0000	5,306.3512

	ROG	NOx	CO	SO2	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	56.41	0.00	44.11	56.81	0.00	38.35	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	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Energy	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Mobile	5.5134	11.4727	43.5494	0.0455	2.3760	0.1525	2.5285	0.6381	0.1398	0.7780		4,223.9983	4,223.9983	0.2238		4,228.6989

Total	8.2856	12.1266	44.1056	0.0494	2.3760	0.2022	2.5782	0.6381	0.1896	0.8277		5,008.5563	5,008.5563	0.2389	0.0144	5,018.0324
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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	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Energy	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Mobile	5.5134	11.4727	43.5494	0.0455	2.3760	0.1525	2.5285	0.6381	0.1398	0.7780		4,223.9983	4,223.9983	0.2238		4,228.6989
Total	8.2856	12.1266	44.1056	0.0494	2.3760	0.2022	2.5782	0.6381	0.1896	0.8277		5,008.5563	5,008.5563	0.2389	0.0144	5,018.0324

	ROG	NOx	CO	SO2	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	Demolition	Demolition	1/1/2015	1/9/2015	5	7	
2	Grading	Grading	1/12/2015	2/10/2015	5	22	
3	Building Construction	Building Construction	2/11/2015	12/15/2015	5	220	
4	Paving	Paving	11/1/2015	11/5/2015	5	4	
5	Architectural Coating	Architectural Coating	11/6/2015	12/31/2015	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 145,926; Non-Residential Outdoor: 48,642 (Architectural Coating –

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	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	9.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	30.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	41.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	16.80	6.60	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 Demolition - 2015

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					0.2812	0.0000	0.2812	0.0426	0.0000	0.0426			0.0000			0.0000
Off-Road	3.0666	29.6778	22.0566	0.0245		1.8651	1.8651		1.7469	1.7469		2,509.0599	2,509.0599	0.6357		2,522.4104
Total	3.0666	29.6778	22.0566	0.0245	0.2812	1.8651	2.1463	0.0426	1.7469	1.7895		2,509.0599	2,509.0599	0.6357		2,522.4104

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	0.0368	0.3631	0.3762	9.5000e-004	0.0225	6.4800e-003	0.0289	6.1600e-003	5.9600e-003	0.0121		96.6163	96.6163	7.8000e-004		96.6327

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	0.1481	0.1770	1.8785	2.0600e-003	0.1661	1.9300e-003	0.1680	0.0440	1.7500e-003	0.0458		175.1735	175.1735	0.0139		175.4661
Total	0.1849	0.5402	2.2547	3.0100e-003	0.1885	8.4100e-003	0.1969	0.0502	7.7100e-003	0.0579		271.7898	271.7898	0.0147		272.0988

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					0.1202	0.0000	0.1202	0.0182	0.0000	0.0182			0.0000			0.0000
Off-Road	3.0666	29.6778	22.0566	0.0245		1.8651	1.8651		1.7469	1.7469	0.0000	2,509.0599	2,509.0599	0.6357		2,522.4104
Total	3.0666	29.6778	22.0566	0.0245	0.1202	1.8651	1.9853	0.0182	1.7469	1.7651	0.0000	2,509.0599	2,509.0599	0.6357		2,522.4104

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	0.0368	0.3631	0.3762	9.5000e-004	0.0181	6.4800e-003	0.0245	5.0700e-003	5.9600e-003	0.0110		96.6163	96.6163	7.8000e-004		96.6327
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	0.1481	0.1770	1.8785	2.0600e-003	0.1285	1.9300e-003	0.1305	0.0348	1.7500e-003	0.0366		175.1735	175.1735	0.0139		175.4661
Total	0.1849	0.5402	2.2547	3.0100e-003	0.1466	8.4100e-003	0.1550	0.0399	7.7100e-003	0.0476		271.7898	271.7898	0.0147		272.0988

3.3 Grading - 2015

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					6.1667	0.0000	6.1667	3.3258	0.0000	3.3258			0.0000			0.0000
Off-Road	2.9656	31.2611	20.2019	0.0206		1.7524	1.7524		1.6122	1.6122		2,164.1012	2,164.1012	0.6461		2,177.6687
Total	2.9656	31.2611	20.2019	0.0206	6.1667	1.7524	7.9191	3.3258	1.6122	4.9381		2,164.1012	2,164.1012	0.6461		2,177.6687

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	0.0391	0.3852	0.3990	1.0100e-003	0.0238	6.8700e-003	0.0307	6.5300e-003	6.3200e-003	0.0129		102.4719	102.4719	8.3000e-004		102.4892
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	0.1139	0.1362	1.4450	1.5800e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3500e-003	0.0352		134.7488	134.7488	0.0107		134.9739
Total	0.1530	0.5213	1.8440	2.5900e-003	0.1516	8.3600e-003	0.1599	0.0404	7.6700e-003	0.0481		237.2207	237.2207	0.0116		237.4632

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
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Category	lb/day										lb/day				
Fugitive Dust					2.6363	0.0000	2.6363	1.4218	0.0000	1.4218			0.0000		0.0000
Off-Road	2.9656	31.2611	20.2019	0.0206		1.7524	1.7524		1.6122	1.6122	0.0000	2,164.1012	2,164.1012	0.6461	2,177.6687
Total	2.9656	31.2611	20.2019	0.0206	2.6363	1.7524	4.3887	1.4218	1.6122	3.0340	0.0000	2,164.1012	2,164.1012	0.6461	2,177.6687

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	0.0391	0.3852	0.3990	1.0100e-003	0.0191	6.8700e-003	0.0260	5.3800e-003	6.3200e-003	0.0117		102.4719	102.4719	8.3000e-004		102.4892
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	0.1139	0.1362	1.4450	1.5800e-003	0.0989	1.4900e-003	0.1003	0.0268	1.3500e-003	0.0281		134.7488	134.7488	0.0107		134.9739
Total	0.1530	0.5213	1.8440	2.5900e-003	0.1180	8.3600e-003	0.1264	0.0322	7.6700e-003	0.0398		237.2207	237.2207	0.0116		237.4632

3.4 Building Construction - 2015

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	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870		2,364.0797	2,364.0797	0.5662		2,375.9701
Total	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870		2,364.0797	2,364.0797	0.5662		2,375.9701

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	0.2891	1.5284	2.6920	3.3800e-003	0.0948	0.0296	0.1244	0.0269	0.0271	0.0540		339.9564	339.9564	3.3400e-003			340.0265
Worker	0.4671	0.5583	5.9245	6.5000e-003	0.5237	6.1000e-003	0.5298	0.1389	5.5200e-003	0.1444		552.4702	552.4702	0.0440			553.3931
Total	0.7562	2.0867	8.6165	9.8800e-003	0.6185	0.0357	0.6542	0.1658	0.0327	0.1984		892.4266	892.4266	0.0473			893.4196

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	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870	0.0000	2,364.0797	2,364.0797	0.5662			2,375.9701
Total	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870	0.0000	2,364.0797	2,364.0797	0.5662			2,375.9701

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	0.2891	1.5284	2.6920	3.3800e-003	0.0767	0.0296	0.1062	0.0224	0.0271	0.0496		339.9564	339.9564	3.3400e-003		340.0265
Worker	0.4671	0.5583	5.9245	6.5000e-003	0.4053	6.1000e-003	0.4114	0.1098	5.5200e-003	0.1153		552.4702	552.4702	0.0440		553.3931
Total	0.7562	2.0867	8.6165	9.8800e-003	0.4820	0.0357	0.5176	0.1323	0.0327	0.1649		892.4266	892.4266	0.0473		893.4196

3.5 Paving - 2015

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	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437		1,823.2763	1,823.2763	0.5345		1,834.5006
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437		1,823.2763	1,823.2763	0.5345		1,834.5006

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	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	0.1709	0.2042	2.1675	2.3800e-003	0.1916	2.2300e-003	0.1938	0.0508	2.0200e-003	0.0528		202.1232	202.1232	0.0161		202.4609
Total	0.1709	0.2042	2.1675	2.3800e-003	0.1916	2.2300e-003	0.1938	0.0508	2.0200e-003	0.0528		202.1232	202.1232	0.0161		202.4609

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	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437	0.0000	1,823.2763	1,823.2763	0.5345		1,834.5006
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437	0.0000	1,823.2763	1,823.2763	0.5345		1,834.5006

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	0.1709	0.2042	2.1675	2.3800e-003	0.1483	2.2300e-003	0.1505	0.0402	2.0200e-003	0.0422		202.1232	202.1232	0.0161		202.4609
Total	0.1709	0.2042	2.1675	2.3800e-003	0.1483	2.2300e-003	0.1505	0.0402	2.0200e-003	0.0422		202.1232	202.1232	0.0161		202.4609

3.6 Architectural Coating - 2015

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	56.3639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	56.7705	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

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	0.0911	0.1089	1.1560	1.2700e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0800e-003	0.0282		107.7991	107.7991	8.5800e-003		107.9791
Total	0.0911	0.1089	1.1560	1.2700e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0800e-003	0.0282		107.7991	107.7991	8.5800e-003		107.9791

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	56.3639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177
Total	56.7705	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177

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	0.0911	0.1089	1.1560	1.2700e-003	0.0791	1.1900e-003	0.0803	0.0214	1.0800e-003	0.0225		107.7991	107.7991	8.5800e-003		107.9791
Total	0.0911	0.1089	1.1560	1.2700e-003	0.0791	1.1900e-003	0.0803	0.0214	1.0800e-003	0.0225		107.7991	107.7991	8.5800e-003		107.9791

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
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Category	lb/day										lb/day					
	NaturalGas Mitigated	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144
NaturalGas Unmitigated	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179

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					
Hotel	6668.62	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Total		0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179

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					
Hotel	6.66862	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Total		0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179

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	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Unmitigated	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156

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	0.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-004	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Total	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156

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	0.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-004	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Total	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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

Inn at the Village
Great Basin Valleys Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	67.00	Room	2.23	97,284.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	9			Operational Year	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	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 - anticipated schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - 200 CY cut and 100 CY of export

Demolition - Demolition is for Sidewalk Removal

Vehicle Trips - trip rate per Traffic Study/LSA Associates

Mobile Land Use Mitigation -

Water Mitigation -

Construction Off-road Equipment Mitigation - GBUAPCD standard mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	10.00	4.00
tblConstructionPhase	PhaseEndDate	12/21/2015	11/5/2015
tblConstructionPhase	PhaseStartDate	1/10/2015	1/12/2015
tblConstructionPhase	PhaseStartDate	12/16/2015	11/1/2015
tblGrading	AcresOfGrading	11.00	3.00
tblGrading	MaterialExported	0.00	100.00
tblGrading	MaterialImported	0.00	200.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	WD_TR	8.17	2.80

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2015	61.5377	47.8486	39.9649	0.0548	6.3183	3.0388	8.0790	3.3663	2.8648	4.9861	0.0000	5,286.8540	5,286.8540	1.1640	0.0000	5,311.2973

Total	61.5377	47.8486	39.9649	0.0548	6.3183	3.0388	8.0790	3.3663	2.8648	4.9861	0.0000	5,286.8540	5,286.8540	1.1640	0.0000	5,311.2973
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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					
2015	61.5377	47.8486	39.9649	0.0548	2.7543	3.0388	4.5150	1.4540	2.8648	3.0738	0.0000	5,286.8540	5,286.8540	1.1640	0.0000	5,311.2973
Total	61.5377	47.8486	39.9649	0.0548	2.7543	3.0388	4.5150	1.4540	2.8648	3.0738	0.0000	5,286.8540	5,286.8540	1.1640	0.0000	5,311.2973

	ROG	NOx	CO	SO2	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	56.41	0.00	44.11	56.81	0.00	38.35	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	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Energy	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Mobile	4.6492	11.3240	42.8537	0.0457	2.3760	0.1507	2.5267	0.6381	0.1382	0.7763		4,242.8358	4,242.8358	0.2233		4,247.5254

Total	7.4214	11.9778	43.4099	0.0496	2.3760	0.2004	2.5764	0.6381	0.1879	0.8260		5,027.3938	5,027.3938	0.2384	0.0144	5,036.8588
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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	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Energy	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Mobile	4.6492	11.3240	42.8537	0.0457	2.3760	0.1507	2.5267	0.6381	0.1382	0.7763		4,242.8358	4,242.8358	0.2233		4,247.5254
Total	7.4214	11.9778	43.4099	0.0496	2.3760	0.2004	2.5764	0.6381	0.1879	0.8260		5,027.3938	5,027.3938	0.2384	0.0144	5,036.8588

	ROG	NOx	CO	SO2	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	Demolition	Demolition	1/1/2015	1/9/2015	5	7	
2	Grading	Grading	1/12/2015	2/10/2015	5	22	
3	Building Construction	Building Construction	2/11/2015	12/15/2015	5	220	
4	Paving	Paving	11/1/2015	11/5/2015	5	4	
5	Architectural Coating	Architectural Coating	11/6/2015	12/31/2015	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 145,926; Non-Residential Outdoor: 48,642 (Architectural Coating –

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	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	9.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	30.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	41.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	16.80	6.60	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 Demolition - 2015

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					0.2812	0.0000	0.2812	0.0426	0.0000	0.0426			0.0000			0.0000
Off-Road	3.0666	29.6778	22.0566	0.0245		1.8651	1.8651		1.7469	1.7469		2,509.0599	2,509.0599	0.6357		2,522.4104
Total	3.0666	29.6778	22.0566	0.0245	0.2812	1.8651	2.1463	0.0426	1.7469	1.7895		2,509.0599	2,509.0599	0.6357		2,522.4104

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	0.0349	0.3584	0.3672	9.5000e-004	0.0225	6.4500e-003	0.0289	6.1600e-003	5.9300e-003	0.0121		96.8456	96.8456	7.7000e-004		96.8618

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	0.1259	0.1703	1.8689	2.0700e-003	0.1661	1.9300e-003	0.1680	0.0440	1.7500e-003	0.0458		175.6488	175.6488	0.0139		175.9415
Total	0.1608	0.5287	2.2362	3.0200e-003	0.1885	8.3800e-003	0.1969	0.0502	7.6800e-003	0.0579		272.4944	272.4944	0.0147		272.8032

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					0.1202	0.0000	0.1202	0.0182	0.0000	0.0182			0.0000			0.0000
Off-Road	3.0666	29.6778	22.0566	0.0245		1.8651	1.8651		1.7469	1.7469	0.0000	2,509.0599	2,509.0599	0.6357		2,522.4104
Total	3.0666	29.6778	22.0566	0.0245	0.1202	1.8651	1.9853	0.0182	1.7469	1.7651	0.0000	2,509.0599	2,509.0599	0.6357		2,522.4104

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	0.0349	0.3584	0.3672	9.5000e-004	0.0181	6.4500e-003	0.0245	5.0700e-003	5.9300e-003	0.0110		96.8456	96.8456	7.7000e-004		96.8618
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	0.1259	0.1703	1.8689	2.0700e-003	0.1285	1.9300e-003	0.1305	0.0348	1.7500e-003	0.0366		175.6488	175.6488	0.0139		175.9415
Total	0.1608	0.5287	2.2362	3.0200e-003	0.1466	8.3800e-003	0.1550	0.0399	7.6800e-003	0.0476		272.4944	272.4944	0.0147		272.8032

3.3 Grading - 2015

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					6.1667	0.0000	6.1667	3.3258	0.0000	3.3258			0.0000			0.0000
Off-Road	2.9656	31.2611	20.2019	0.0206		1.7524	1.7524		1.6122	1.6122		2,164.1012	2,164.1012	0.6461		2,177.6687
Total	2.9656	31.2611	20.2019	0.0206	6.1667	1.7524	7.9191	3.3258	1.6122	4.9381		2,164.1012	2,164.1012	0.6461		2,177.6687

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	0.0370	0.3801	0.3895	1.0100e-003	0.0238	6.8500e-003	0.0307	6.5300e-003	6.2900e-003	0.0128		102.7150	102.7150	8.2000e-004		102.7322
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	0.0969	0.1310	1.4376	1.5900e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3500e-003	0.0352		135.1145	135.1145	0.0107		135.3396
Total	0.1339	0.5111	1.8271	2.6000e-003	0.1516	8.3400e-003	0.1599	0.0404	7.6400e-003	0.0481		237.8295	237.8295	0.0115		238.0718

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
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Category	lb/day										lb/day				
Fugitive Dust					2.6363	0.0000	2.6363	1.4218	0.0000	1.4218			0.0000		0.0000
Off-Road	2.9656	31.2611	20.2019	0.0206		1.7524	1.7524		1.6122	1.6122	0.0000	2,164.1012	2,164.1012	0.6461	2,177.6687
Total	2.9656	31.2611	20.2019	0.0206	2.6363	1.7524	4.3887	1.4218	1.6122	3.0340	0.0000	2,164.1012	2,164.1012	0.6461	2,177.6687

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	0.0370	0.3801	0.3895	1.0100e-003	0.0191	6.8500e-003	0.0260	5.3800e-003	6.2900e-003	0.0117		102.7150	102.7150	8.2000e-004		102.7322
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	0.0969	0.1310	1.4376	1.5900e-003	0.0989	1.4900e-003	0.1003	0.0268	1.3500e-003	0.0281		135.1145	135.1145	0.0107		135.3396
Total	0.1339	0.5111	1.8271	2.6000e-003	0.1180	8.3400e-003	0.1263	0.0322	7.6400e-003	0.0398		237.8295	237.8295	0.0115		238.0718

3.4 Building Construction - 2015

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	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870		2,364.0797	2,364.0797	0.5662		2,375.9701
Total	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870		2,364.0797	2,364.0797	0.5662		2,375.9701

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	0.2657	1.5227	2.6024	3.4100e-003	0.0948	0.0289	0.1237	0.0269	0.0266	0.0534		342.8569	342.8569	3.2400e-003			342.9250
Worker	0.3971	0.5372	5.8943	6.5100e-003	0.5237	6.1000e-003	0.5298	0.1389	5.5200e-003	0.1444		553.9694	553.9694	0.0440			554.8923
Total	0.6628	2.0599	8.4967	9.9200e-003	0.6185	0.0350	0.6535	0.1658	0.0321	0.1978		896.8263	896.8263	0.0472			897.8173

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	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870	0.0000	2,364.0797	2,364.0797	0.5662			2,375.9701
Total	4.0268	25.8389	17.0465	0.0249		1.7597	1.7597		1.6870	1.6870	0.0000	2,364.0797	2,364.0797	0.5662			2,375.9701

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	0.2657	1.5227	2.6024	3.4100e-003	0.0767	0.0289	0.1056	0.0224	0.0266	0.0490		342.8569	342.8569	3.2400e-003		342.9250
Worker	0.3971	0.5372	5.8943	6.5100e-003	0.4053	6.1000e-003	0.4114	0.1098	5.5200e-003	0.1153		553.9694	553.9694	0.0440		554.8923
Total	0.6628	2.0599	8.4967	9.9200e-003	0.4820	0.0350	0.5170	0.1323	0.0321	0.1643		896.8263	896.8263	0.0472		897.8173

3.5 Paving - 2015

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	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437		1,823.2763	1,823.2763	0.5345		1,834.5006
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437		1,823.2763	1,823.2763	0.5345		1,834.5006

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	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	0.1453	0.1965	2.1565	2.3800e-003	0.1916	2.2300e-003	0.1938	0.0508	2.0200e-003	0.0528		202.6717	202.6717	0.0161		203.0094
Total	0.1453	0.1965	2.1565	2.3800e-003	0.1916	2.2300e-003	0.1938	0.0508	2.0200e-003	0.0528		202.6717	202.6717	0.0161		203.0094

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	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437	0.0000	1,823.2763	1,823.2763	0.5345		1,834.5006
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9443	19.7532	12.2652	0.0176		1.2418	1.2418		1.1437	1.1437	0.0000	1,823.2763	1,823.2763	0.5345		1,834.5006

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	0.1453	0.1965	2.1565	2.3800e-003	0.1483	2.2300e-003	0.1505	0.0402	2.0200e-003	0.0422		202.6717	202.6717	0.0161		203.0094
Total	0.1453	0.1965	2.1565	2.3800e-003	0.1483	2.2300e-003	0.1505	0.0402	2.0200e-003	0.0422		202.6717	202.6717	0.0161		203.0094

3.6 Architectural Coating - 2015

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	56.3639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	56.7705	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

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	0.0775	0.1048	1.1501	1.2700e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0800e-003	0.0282		108.0916	108.0916	8.5800e-003		108.2717
Total	0.0775	0.1048	1.1501	1.2700e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0800e-003	0.0282		108.0916	108.0916	8.5800e-003		108.2717

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	56.3639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177
Total	56.7705	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177

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	0.0775	0.1048	1.1501	1.2700e-003	0.0791	1.1900e-003	0.0803	0.0214	1.0800e-003	0.0225		108.0916	108.0916	8.5800e-003		108.2717
Total	0.0775	0.1048	1.1501	1.2700e-003	0.0791	1.1900e-003	0.0803	0.0214	1.0800e-003	0.0225		108.0916	108.0916	8.5800e-003		108.2717

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
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Category	lb/day										lb/day					
	NaturalGas Mitigated	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144
NaturalGas Unmitigated	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179

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					
Hotel	6668.62	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Total		0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179

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					
Hotel	6.66862	0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179
Total		0.0719	0.6538	0.5492	3.9200e-003		0.0497	0.0497		0.0497	0.0497		784.5433	784.5433	0.0150	0.0144	789.3179

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	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Unmitigated	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156

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	0.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-004	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Total	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156

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	0.6177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-004	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156
Total	2.7003	7.0000e-005	7.0800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0147	0.0147	4.0000e-005		0.0156

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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

Inn at the Village
Great Basin Valleys Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	67.00	Room	2.23	97,284.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	9			Operational Year	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - anticipated schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - 200 CY cut and 100 CY of export

Demolition - Demolition is for Sidewalk Removal

Vehicle Trips - trip rate per Traffic Study/LSA Associates

Mobile Land Use Mitigation -

Water Mitigation -

Construction Off-road Equipment Mitigation - GBUAPCD standard mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	10.00	4.00
tblConstructionPhase	PhaseEndDate	12/21/2015	11/5/2015
tblConstructionPhase	PhaseStartDate	1/10/2015	1/12/2015
tblConstructionPhase	PhaseStartDate	12/16/2015	11/1/2015
tblGrading	AcresOfGrading	11.00	3.00
tblGrading	MaterialExported	0.00	100.00
tblGrading	MaterialImported	0.00	200.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	WD_TR	8.17	2.80

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					
2015	1.7100	3.6350	3.3823	4.2700e-003	0.1393	0.2303	0.3696	0.0557	0.2198	0.2755	0.0000	366.2432	366.2432	0.0717	0.0000	367.7481

Total	1.7100	3.6350	3.3823	4.2700e-003	0.1393	0.2303	0.3696	0.0557	0.2198	0.2755	0.0000	366.2432	366.2432	0.0717	0.0000	367.7481
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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					
2015	1.7100	3.6350	3.3822	4.2700e-003	0.0844	0.2303	0.3147	0.0308	0.2198	0.2507	0.0000	366.2429	366.2429	0.0717	0.0000	367.7478
Total	1.7100	3.6350	3.3822	4.2700e-003	0.0844	0.2303	0.3147	0.0308	0.2198	0.2507	0.0000	366.2429	366.2429	0.0717	0.0000	367.7478

	ROG	NOx	CO	SO2	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	39.40	0.00	14.85	44.60	0.00	9.01	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	tons/yr										MT/yr					
Area	0.4927	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-003
Energy	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	366.5254	366.5254	0.0134	4.6300e-003	368.2419
Mobile	0.4526	1.0806	4.7728	4.0000e-003	0.2056	0.0135	0.2192	0.0554	0.0124	0.0678	0.0000	336.0609	336.0609	0.0181	0.0000	336.4409

Waste						0.0000	0.0000		0.0000	0.0000	7.4457	0.0000	7.4457	0.4400	0.0000	16.6863
Water						0.0000	0.0000		0.0000	0.0000	0.5392	2.8208	3.3600	0.0555	1.3300e-003	4.9395
Total	0.9585	1.1999	4.8737	4.7200e-003	0.2056	0.0226	0.2282	0.0554	0.0215	0.0768	7.9849	705.4083	713.3932	0.5270	5.9600e-003	726.3098

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	0.4927	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-003
Energy	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	366.5254	366.5254	0.0134	4.6300e-003	368.2419
Mobile	0.4526	1.0806	4.7728	4.0000e-003	0.2056	0.0135	0.2192	0.0554	0.0124	0.0678	0.0000	336.0609	336.0609	0.0181	0.0000	336.4409
Waste						0.0000	0.0000		0.0000	0.0000	7.4457	0.0000	7.4457	0.4400	0.0000	16.6863
Water						0.0000	0.0000		0.0000	0.0000	0.4314	2.2945	2.7259	0.0444	1.0700e-003	3.9889
Total	0.9585	1.1999	4.8737	4.7200e-003	0.2056	0.0226	0.2282	0.0554	0.0215	0.0768	7.8771	704.8820	712.7590	0.5159	5.7000e-003	725.3592

	ROG	NOx	CO	SO2	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	1.35	0.07	0.09	2.11	4.36	0.13

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	1/9/2015	5	7	

2	Grading	Grading	1/12/2015	2/10/2015	5	22
3	Building Construction	Building Construction	2/11/2015	12/15/2015	5	220
4	Paving	Paving	11/1/2015	11/5/2015	5	4
5	Architectural Coating	Architectural Coating	11/6/2015	12/31/2015	5	40

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 145,926; Non-Residential Outdoor: 48,642 (Architectural Coating –

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	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	9.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	30.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	41.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	16.80	6.60	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 Demolition - 2015

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					9.8000e-004	0.0000	9.8000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1039	0.0772	9.0000e-005	6.5300e-003	6.5300e-003	6.5300e-003	6.1100e-003	6.1100e-003	6.1100e-003	0.0000	7.9666	7.9666	2.0200e-003	0.0000	8.0090
Total	0.0107	0.1039	0.0772	9.0000e-005	9.8000e-004	6.5300e-003	7.5100e-003	1.5000e-004	6.1100e-003	6.2600e-003	0.0000	7.9666	7.9666	2.0200e-003	0.0000	8.0090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	1.3000e-003	1.8200e-003	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3072	0.3072	0.0000	0.0000	0.3072
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	4.4000e-004	7.0000e-004	6.6900e-003	1.0000e-005	5.6000e-004	1.0000e-005	5.7000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	0.5335	0.5335	4.0000e-005	0.0000	0.5344
Total	5.9000e-004	2.0000e-003	8.5100e-003	1.0000e-005	6.4000e-004	3.0000e-005	6.7000e-004	1.7000e-004	3.0000e-005	2.0000e-004	0.0000	0.8407	0.8407	4.0000e-005	0.0000	0.8417

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					4.2000e-004	0.0000	4.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1039	0.0772	9.0000e-005		6.5300e-003	6.5300e-003		6.1100e-003	6.1100e-003	0.0000	7.9666	7.9666	2.0200e-003	0.0000	8.0090
Total	0.0107	0.1039	0.0772	9.0000e-005	4.2000e-004	6.5300e-003	6.9500e-003	6.0000e-005	6.1100e-003	6.1700e-003	0.0000	7.9666	7.9666	2.0200e-003	0.0000	8.0090

Mitigated Construction Off-Site

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

Hauling	1.5000e-004	1.3000e-003	1.8200e-003	0.0000	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3072	0.3072	0.0000	0.0000	0.3072
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	4.4000e-004	7.0000e-004	6.6900e-003	1.0000e-005	4.4000e-004	1.0000e-005	4.4000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.5335	0.5335	4.0000e-005	0.0000	0.5344
Total	5.9000e-004	2.0000e-003	8.5100e-003	1.0000e-005	5.0000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.6000e-004	0.0000	0.8407	0.8407	4.0000e-005	0.0000	0.8417

3.3 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0678	0.0000	0.0678	0.0366	0.0000	0.0366	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0326	0.3439	0.2222	2.3000e-004		0.0193	0.0193		0.0177	0.0177	0.0000	21.5956	21.5956	6.4500e-003	0.0000	21.7310
Total	0.0326	0.3439	0.2222	2.3000e-004	0.0678	0.0193	0.0871	0.0366	0.0177	0.0543	0.0000	21.5956	21.5956	6.4500e-003	0.0000	21.7310

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	4.9000e-004	4.3400e-003	6.0600e-003	1.0000e-005	2.5000e-004	8.0000e-005	3.3000e-004	7.0000e-005	7.0000e-005	1.4000e-004	0.0000	1.0240	1.0240	1.0000e-005	0.0000	1.0242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	1.7000e-003	0.0162	2.0000e-005	1.3600e-003	2.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.8000e-004	0.0000	1.2898	1.2898	1.1000e-004	0.0000	1.2920
Total	1.5600e-003	6.0400e-003	0.0222	3.0000e-005	1.6100e-003	1.0000e-004	1.7100e-003	4.3000e-004	8.0000e-005	5.2000e-004	0.0000	2.3137	2.3137	1.2000e-004	0.0000	2.3161

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0290	0.0000	0.0290	0.0156	0.0000	0.0156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0326	0.3439	0.2222	2.3000e-004		0.0193	0.0193		0.0177	0.0177	0.0000	21.5956	21.5956	6.4500e-003	0.0000	21.7310
Total	0.0326	0.3439	0.2222	2.3000e-004	0.0290	0.0193	0.0483	0.0156	0.0177	0.0334	0.0000	21.5956	21.5956	6.4500e-003	0.0000	21.7310

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	4.9000e-004	4.3400e-003	6.0600e-003	1.0000e-005	2.1000e-004	8.0000e-005	2.8000e-004	6.0000e-005	7.0000e-005	1.3000e-004	0.0000	1.0240	1.0240	1.0000e-005	0.0000	1.0242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	1.7000e-003	0.0162	2.0000e-005	1.0500e-003	2.0000e-005	1.0700e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.2898	1.2898	1.1000e-004	0.0000	1.2920
Total	1.5600e-003	6.0400e-003	0.0222	3.0000e-005	1.2600e-003	1.0000e-004	1.3500e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	2.3137	2.3137	1.2000e-004	0.0000	2.3161

3.4 Building Construction - 2015

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	0.4430	2.8423	1.8751	2.7400e-003		0.1936	0.1936		0.1856	0.1856	0.0000	235.9123	235.9123	0.0565	0.0000	237.0988
Total	0.4430	2.8423	1.8751	2.7400e-003		0.1936	0.1936		0.1856	0.1856	0.0000	235.9123	235.9123	0.0565	0.0000	237.0988

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	0.0365	0.1736	0.4234	3.8000e-004	0.0102	3.2100e-003	0.0134	2.8900e-003	2.9500e-003	5.8400e-003	0.0000	34.0922	34.0922	3.3000e-004	0.0000	34.0991
Worker	0.0439	0.0695	0.6631	6.9000e-004	0.0558	6.7000e-004	0.0564	0.0148	6.1000e-004	0.0154	0.0000	52.8797	52.8797	4.3900e-003	0.0000	52.9718
Total	0.0804	0.2431	1.0865	1.0700e-003	0.0659	3.8800e-003	0.0698	0.0177	3.5600e-003	0.0213	0.0000	86.9719	86.9719	4.7200e-003	0.0000	87.0709

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	0.4430	2.8423	1.8751	2.7400e-003		0.1936	0.1936		0.1856	0.1856	0.0000	235.9120	235.9120	0.0565	0.0000	237.0985

Total	0.4430	2.8423	1.8751	2.7400e-003		0.1936	0.1936		0.1856	0.1856	0.0000	235.9120	235.9120	0.0565	0.0000	237.0985
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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	0.0365	0.1736	0.4234	3.8000e-004	8.2300e-003	3.2100e-003	0.0114	2.4200e-003	2.9500e-003	5.3600e-003	0.0000	34.0922	34.0922	3.3000e-004	0.0000	34.0991
Worker	0.0439	0.0695	0.6631	6.9000e-004	0.0432	6.7000e-004	0.0439	0.0117	6.1000e-004	0.0124	0.0000	52.8797	52.8797	4.3900e-003	0.0000	52.9718
Total	0.0804	0.2431	1.0865	1.0700e-003	0.0514	3.8800e-003	0.0553	0.0142	3.5600e-003	0.0177	0.0000	86.9719	86.9719	4.7200e-003	0.0000	87.0709

3.5 Paving - 2015

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	3.8900e-003	0.0395	0.0245	4.0000e-005		2.4800e-003	2.4800e-003		2.2900e-003	2.2900e-003	0.0000	3.3081	3.3081	9.7000e-004	0.0000	3.3285
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8900e-003	0.0395	0.0245	4.0000e-005		2.4800e-003	2.4800e-003		2.2900e-003	2.2900e-003	0.0000	3.3081	3.3081	9.7000e-004	0.0000	3.3285

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	2.9000e-004	4.6000e-004	4.4100e-003	0.0000	3.7000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3518	0.3518	3.0000e-005	0.0000	0.3524
Total	2.9000e-004	4.6000e-004	4.4100e-003	0.0000	3.7000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3518	0.3518	3.0000e-005	0.0000	0.3524

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	3.8900e-003	0.0395	0.0245	4.0000e-005		2.4800e-003	2.4800e-003		2.2900e-003	2.2900e-003	0.0000	3.3081	3.3081	9.7000e-004	0.0000	3.3285
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8900e-003	0.0395	0.0245	4.0000e-005		2.4800e-003	2.4800e-003		2.2900e-003	2.2900e-003	0.0000	3.3081	3.3081	9.7000e-004	0.0000	3.3285

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	2.9000e-004	4.6000e-004	4.4100e-003	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3518	0.3518	3.0000e-005	0.0000	0.3524
Total	2.9000e-004	4.6000e-004	4.4100e-003	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3518	0.3518	3.0000e-005	0.0000	0.3524

3.6 Architectural Coating - 2015

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	1.1273					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1300e-003	0.0514	0.0380	6.0000e-005		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	5.1065	5.1065	6.6000e-004	0.0000	5.1205
Total	1.1354	0.0514	0.0380	6.0000e-005		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	5.1065	5.1065	6.6000e-004	0.0000	5.1205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	2.4700e-003	0.0235	2.0000e-005	1.9800e-003	2.0000e-005	2.0000e-003	5.3000e-004	2.0000e-005	5.5000e-004	0.0000	1.8760	1.8760	1.6000e-004	0.0000	1.8793
Total	1.5600e-003	2.4700e-003	0.0235	2.0000e-005	1.9800e-003	2.0000e-005	2.0000e-003	5.3000e-004	2.0000e-005	5.5000e-004	0.0000	1.8760	1.8760	1.6000e-004	0.0000	1.8793

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	1.1273					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1300e-003	0.0514	0.0380	6.0000e-005		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	5.1065	5.1065	6.6000e-004	0.0000	5.1205
Total	1.1354	0.0514	0.0380	6.0000e-005		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	5.1065	5.1065	6.6000e-004	0.0000	5.1205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	2.4700e-003	0.0235	2.0000e-005	1.5300e-003	2.0000e-005	1.5600e-003	4.2000e-004	2.0000e-005	4.4000e-004	0.0000	1.8760	1.8760	1.6000e-004	0.0000	1.8793
Total	1.5600e-003	2.4700e-003	0.0235	2.0000e-005	1.5300e-003	2.0000e-005	1.5600e-003	4.2000e-004	2.0000e-005	4.4000e-004	0.0000	1.8760	1.8760	1.6000e-004	0.0000	1.8793

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	0.4526	1.0806	4.7728	4.0000e-003	0.2056	0.0135	0.2192	0.0554	0.0124	0.0678	0.0000	336.0609	336.0609	0.0181	0.0000	336.4409
Unmitigated	0.4526	1.0806	4.7728	4.0000e-003	0.2056	0.0135	0.2192	0.0554	0.0124	0.0678	0.0000	336.0609	336.0609	0.0181	0.0000	336.4409

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	187.60	548.73	398.65	541,150	541,150
Total	187.60	548.73	398.65	541,150	541,150

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.279910	0.105741	0.185385	0.167722	0.097331	0.011794	0.017930	0.112433	0.005774	0.000729	0.007474	0.001775	0.006001

5.0 Energy Detail

4.4 Fleet Mix

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	236.6354	236.6354	0.0109	2.2500e-003	237.5615
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	236.6354	236.6354	0.0109	2.2500e-003	237.5615
NaturalGas Mitigated	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	129.8900	129.8900	2.4900e-003	2.3800e-003	130.6804
NaturalGas Unmitigated	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	129.8900	129.8900	2.4900e-003	2.3800e-003	130.6804

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					
Hotel	2.43405e+006	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	129.8900	129.8900	2.4900e-003	2.3800e-003	130.6804
Total		0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	129.8900	129.8900	2.4900e-003	2.3800e-003	130.6804

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					

Hotel	2.43405e+006	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	129.8900	129.8900	2.4900e-003	2.3800e-003	130.6804
Total		0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	129.8900	129.8900	2.4900e-003	2.3800e-003	130.6804

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	826914	236.6354	0.0109	2.2500e-003	237.5615
Total		236.6354	0.0109	2.2500e-003	237.5615

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	826914	236.6354	0.0109	2.2500e-003	237.5615
Total		236.6354	0.0109	2.2500e-003	237.5615

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	0.4927	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-003
Unmitigated	0.4927	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-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	tons/yr										MT/yr					
Architectural Coating	0.1127					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-003
Total	0.4927	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-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
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SubCategory	tons/yr										MT/yr					
	Architectural Coating	0.1127					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-003
Total	0.4927	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-003	1.2000e-003	0.0000	0.0000	1.2700e-003

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.7259	0.0444	1.0700e-003	3.9889
Unmitigated	3.3600	0.0555	1.3300e-003	4.9395

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Hotel	1.69957 / 0.188842	3.3600	0.0555	1.3300e-003	4.9395
Total		3.3600	0.0555	1.3300e-003	4.9395

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	1.35966 / 0.188842	2.7259	0.0444	1.0700e-003	3.9889
Total		2.7259	0.0444	1.0700e-003	3.9889

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.4457	0.4400	0.0000	16.6863

Unmitigated	7.4457	0.4400	0.0000	16.6863
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	36.68	7.4457	0.4400	0.0000	16.6863
Total		7.4457	0.4400	0.0000	16.6863

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	36.68	7.4457	0.4400	0.0000	16.6863
Total		7.4457	0.4400	0.0000	16.6863

9.0 Operational Offroad

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