

Attachment B
Air Quality Model Output

1209 South 6th Avenue, Venice CA
 Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Floor Surface Area	Population
Single Family Housing	2.00	Dwelling Unit	6,012.00	6

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2017

Utility Company Los Angeles Department of Water & Power

CO2 Intensity (lb/MW/hr)	1227.89	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot size = 5005 square feet
 Two houses
 Each house = 3006 square feet
 Demolition - Two buildings on site: 1068 and 504 square feet

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	3,600.00	6,012.00
	LotAcreage	0.65	0.11
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.2 Overall Operational
Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.6612	0.0152	1.1720	1.6100e-003	0.1537	0.1537	0.1537	0.1537	0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.6046
Energy	1.8700e-003	0.0160	6.7900e-003	1.0000e-004	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	20.3610	20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849
Mobile	0.0731	0.2157	0.8724	2.2300e-003	0.1463	3.2100e-003	0.1495	0.0391	2.9500e-003	0.0421	190.5265	190.5265	190.5265	7.5200e-003		190.6845
Total	0.7361	0.2469	2.0512	3.9400e-003	0.1463	0.1582	0.3045	0.0391	0.1579	0.1970	18.7338	247.1845	265.9183	0.0641	1.6400e-003	267.7739

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.6612	0.0152	1.1720	1.6100e-003	0.1537	0.1537	0.1537	0.1537	0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.6046
Energy	1.8700e-003	0.0160	6.7900e-003	1.0000e-004	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	20.3610	20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849
Mobile	0.0731	0.2157	0.8724	2.2300e-003	0.1463	3.2100e-003	0.1495	0.0391	2.9500e-003	0.0421	190.5265	190.5265	190.5265	7.5200e-003		190.6845
Total	0.7361	0.2469	2.0512	3.9400e-003	0.1463	0.1582	0.3045	0.0391	0.1579	0.1970	18.7338	247.1845	265.9183	0.0641	1.6400e-003	267.7739

Percent Reduction	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	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	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/21/2017	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 12,174; Residential Outdoor: 4,058; 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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	4	10.00	0.00	7.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust	0.0117	0.1802	0.1334	5.2000e-004	0.0122	2.6500e-003	0.0149	3.3400e-003	2.4400e-003	5.7800e-003	0.0000	0.0234	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120	0.7266	0.7266	0.7266	0.6930	0.6930	0.6930	1,183.813	1,183.813	1,183.813	0.2333	1,188.711	8
Total	1.2049	10.4761	8.5825	0.0120	0.1547	0.7266	0.8813	0.0234	0.6930	0.7164	1,183.813	1,183.813	1,183.813	0.2333	1,188.711	8

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0117	0.1802	0.1334	5.2000e-004	0.0122	2.6500e-003	0.0149	3.3400e-003	2.4400e-003	5.7800e-003	0.0000	0.0234	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	0.0400	0.0507	0.6285	1.4500e-003	0.1118	1.0100e-003	0.1128	0.0296	9.3000e-004	0.0306	118.3028	118.3028	118.3028	6.1800e-003	118.4326	8
Total	0.0517	0.2309	0.7620	1.9700e-003	0.1240	3.6600e-003	0.1276	0.0330	3.3700e-003	0.0364	170.1351	170.1351	170.1351	6.5600e-003	170.2730	8

3.2 Demolition - 2017

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1547	0.0000	0.1547	0.0234	0.0000	0.0234			0.0000			0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266	0.6930	0.6930	0.6930	0.0000	1,183.813	1,183.813	0.2333		1,188.711
Total	1.2049	10.4761	8.5825	0.0120	0.1547	0.7266	0.8813	0.0234	0.6930	0.7164	0.0000	1,183.813	1,183.813	0.2333		1,188.711

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0117	0.1802	0.1334	5.2000e-004	0.0122	2.6500e-003	0.0149	3.3400e-003	2.4400e-003	5.7800e-003		51.8324	51.8324	3.8000e-004		51.8404
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	0.0400	0.0507	0.6285	1.4500e-003	0.1118	1.0100e-003	0.1128	0.0296	9.3000e-004	0.0306		118.3028	118.3028	6.1800e-003		118.4326
Total	0.0517	0.2309	0.7620	1.9700e-003	0.1240	3.6600e-003	0.1276	0.0330	3.3700e-003	0.0364		170.1351	170.1351	6.5600e-003		170.2730

3.3 Site Preparation - 2017
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.2694	12.6852	7.2319	9.3300e-003	0.7705	0.7705	0.7705	0.7089	0.7089	0.7089		955.8663	955.8663	0.2929		962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.5303	0.7705	1.3007	0.0573	0.7089	0.7661		955.8663	955.8663	0.2929		962.0167

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0200	0.0254	0.3143	7.3000e-004	0.0559	5.1000e-004	0.0564	0.0148	4.7000e-004	0.0153		59.1514	59.1514	3.0900e-003		59.2163
Total	0.0200	0.0254	0.3143	7.3000e-004	0.0559	5.1000e-004	0.0564	0.0148	4.7000e-004	0.0153		59.1514	59.1514	3.0900e-003		59.2163

3.3 Site Preparation - 2017
Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.2694	12.6852	7.2319	9.3300e-003	0.7705	0.7705	0.7705	0.7089	0.7089	0.7089	0.0000	955.8663	955.8663	0.2929		962.0167
Total	1.2694	12.6852	7.2319	9.3300e-003	0.5303	0.7705	1.3007	0.0573	0.7089	0.7661	0.0000	955.8663	955.8663	0.2929		962.0167

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0200	0.0254	0.3143	7.3000e-004	0.0559	5.1000e-004	0.0564	0.0148	4.7000e-004	0.0153		59.1514	59.1514	3.0900e-003		59.2163
Total	0.0200	0.0254	0.3143	7.3000e-004	0.0559	5.1000e-004	0.0564	0.0148	4.7000e-004	0.0153		59.1514	59.1514	3.0900e-003		59.2163

3.4 Grading - 2017

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2049	10.4761	8.5825	0.0120		0.7266	0.7266	0.6930	0.6930	0.6930		1,183.813	1,183.813	0.2333		1,188.711
Total	1.2049	10.4761	8.5825	0.0120	0.7528	0.7266	1.4794	0.4138	0.6930	1.1068		1,183.813	1,183.813	0.2333		1,188.711

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
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
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
Worker	0.0400	0.0507	0.6285	1.4500e-003	0.1118	1.0100e-003	0.1128	0.0296	9.3000e-004	0.0306		118.3028	118.3028	6.1800e-003		118.4326
Total	0.0400	0.0507	0.6285	1.4500e-003	0.1118	1.0100e-003	0.1128	0.0296	9.3000e-004	0.0306		118.3028	118.3028	6.1800e-003		118.4326

3.5 Building Construction - 2017
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553		0.7869	0.7869		1,159.5310	1,159.5310	0.3553		1,166.9919

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0000e-003	5.0700e-003	0.0629	1.5000e-004	0.0112	1.0000e-004	0.0113	2.9600e-003	9.0000e-005	3.0600e-003		11.8303	11.8303	6.2000e-004		11.8433
Total	4.0000e-003	5.0700e-003	0.0629	1.5000e-004	0.0112	1.0000e-004	0.0113	2.9600e-003	9.0000e-005	3.0600e-003		11.8303	11.8303	6.2000e-004		11.8433

3.5 Building Construction - 2017

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553	0.7869	0.7869	0.7869	0.0000	1,159.5310	1,159.5310	0.3553		1,166.9919
Total	1.2740	12.6738	8.0395	0.0113		0.8553	0.8553	0.7869	0.7869	0.7869	0.0000	1,159.5310	1,159.5310	0.3553		1,166.9919

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
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
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
Worker	4.0000e-003	5.0700e-003	0.0629	1.5000e-004	0.0112	1.0000e-004	0.0113	2.9600e-003	9.0000e-005	3.0600e-003	11.8303	11.8303	11.8303	6.2000e-004		11.8433
Total	4.0000e-003	5.0700e-003	0.0629	1.5000e-004	0.0112	1.0000e-004	0.0113	2.9600e-003	9.0000e-005	3.0600e-003	11.8303	11.8303	11.8303	6.2000e-004		11.8433

3.6 Paving - 2017

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018	0.5572	0.5572	0.5572		1,068.9366	1,068.9366	0.2968		1,075.1698
Paving	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018	0.5572	0.5572	0.5572		1,068.9366	1,068.9366	0.2968		1,075.1698

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
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	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787
Total	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550		212.9450	212.9450	0.0111		213.1787

3.6 Paving - 2017

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018	0.5572	0.5572	0.5572	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698
Paving	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total	1.0406	9.8344	7.2432	0.0111		0.6018	0.6018	0.5572	0.5572	0.5572	0.0000	1,068.9366	1,068.9366	0.2968		1,075.1698

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550			212.9450	0.0111		213.1787
Total	0.0720	0.0913	1.1313	2.6200e-003	0.2012	1.8200e-003	0.2030	0.0534	1.6800e-003	0.0550			212.9450	0.0111		213.1787

3.7 Architectural Coating - 2017
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	9.4044					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733	0.1733	0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	9.7367	2.1850	1.8681	2.9700e-003		0.1733	0.1733	0.1733	0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

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

3.7 Architectural Coating - 2017

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	9.4044				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003	0.1733	0.1733	0.1733	0.1733	0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721
Total	9.7367	2.1850	1.8681	2.9700e-003	0.1733	0.1733	0.1733	0.1733	0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.0731	0.2157	0.8724	2.2300e-003	0.1463	3.2100e-003	0.1495	0.0391	2.9500e-003	0.0421	190.5265	190.5265	190.5265	7.5200e-003		190.6845
Unmitigated	0.0731	0.2157	0.8724	2.2300e-003	0.1463	3.2100e-003	0.1495	0.0391	2.9500e-003	0.0421	190.5265	190.5265	190.5265	7.5200e-003		190.6845

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Single Family Housing	19.14	20.16	17.54	65,121	65,121
Total	19.14	20.16	17.54	65,121	65,121

4.3 Trip Type Information

Land Use	Miles				Trip %				Trip Purpose %			
	H-W or C-C	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-S or C-C	H-O or C-NW	H-O or C-NW	Primary	Diverted	Pass-by	
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	40.60	86	11	3		

5.0 Energy Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
NaturalGas Mitigated	1.8700e-003	0.0160	6.7900e-003	1.0000e-004	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	20.3610	20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849
NaturalGas Unmitigated	1.8700e-003	0.0160	6.7900e-003	1.0000e-004	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	20.3610	20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	lb/day																
Single Family Housing	173.068	1.8700e-003	0.0160	6.7900e-003	1.0000e-004	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	20.3610	20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849
Total		1.8700e-003	0.0160	6.7900e-003	1.0000e-004	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	20.3610	20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849

5.2 Energy by Land Use - NaturalGas

Mitigated

Land Use	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
Single Family Housing	0.173068	1.8700e-003	0.0160	6.7900e-003	1.0000e-004	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	1.2900e-003	20.3610	20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849
Total		1.8700e-003	0.0160	6.7900e-003	1.0000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		20.3610	20.3610	3.9000e-004	3.7000e-004	20.4849

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.6612	0.0152	1.1720	1.6100e-003	0.1537	0.1537	0.1537	0.1537	0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.6046
Unmitigated	0.6612	0.0152	1.1720	1.6100e-003	0.1537	0.1537	0.1537	0.1537	0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.6046

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															
Consumer Products	0.1190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5241	0.0133	1.0053	1.6000e-003		0.1528	0.1528		0.1528	0.1528	18.7338	36.0000	54.7338	0.0559	1.2700e-003	56.3012
Landscaping	5.1900e-003	1.9400e-003	0.1667	1.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.2971	0.2971	0.2971	3.0000e-004		0.3034
Architectural Coating	0.0129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6612	0.0152	1.1719	1.6100e-003		0.1537	0.1537		0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.6046

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Consumer Products	0.1190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5241	0.0133	1.0053	1.6000e-003		0.1528	0.1528		0.1528	0.1528	18.7338	36.0000	54.7338	0.0559	1.2700e-003	56.3012
Landscaping	5.1900e-003	1.9400e-003	0.1667	1.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.2971	0.2971	0.2971	3.0000e-004		0.3034
Architectural Coating	0.0129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6612	0.0152	1.1719	1.6100e-003		0.1537	0.1537		0.1537	0.1537	18.7338	36.2971	55.0309	0.0562	1.2700e-003	56.6046

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

1209 South 6th Avenue, Venice CA
 Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	2.00	Dwelling Unit	0.11	6,012.00	6

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2017

Utility Company Los Angeles Department of Water & Power

CO2 Intensity (lb/MW/hr)	1227.89	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot size = 5005 square feet
 Two houses
 Each house = 3006 square feet
 Demolition - Two buildings on site: 1068 and 504 square feet

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	3,600.00	6,012.00
tblLandUse	LotAcreage	0.65	0.11
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.2 Overall Operational
Unmitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.0313	4.1000e-004	0.0334	2.0000e-005		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.7000e-004	1.0000e-005	0.6729
Energy	3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	11.2354	11.2354	2.5000e-004	1.0000e-004	11.2717
Mobile	0.0125	0.0399	0.1504	3.7000e-004	0.0247	5.5000e-004	0.0252	6.6100e-003	5.1000e-004	7.1200e-003	0.0000	28.7667	28.7667	1.1700e-003	0.0000	28.7913
Waste						0.0000	0.0000		0.0000	0.0000	0.4994	0.0000	0.4994	0.0295	0.0000	1.1191
Water						0.0000	0.0000		0.0000	0.0000	0.0413	1.4534	1.4947	4.2800e-003	1.1000e-004	1.6179
Total	0.0441	0.0432	0.1850	4.1000e-004	0.0247	2.8100e-003	0.0275	6.6100e-003	2.7700e-003	9.3800e-003	0.7531	41.8973	42.6504	0.0359	2.2000e-004	43.4728

**2.2 Overall Operational
Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
	MT/yr															
Area	0.0313	4.1000e-004	0.0334	2.0000e-005	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.7000e-004	1.0000e-005	0.6729
Energy	3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.0000	11.2354	11.2354	2.5000e-004	1.0000e-004	11.2717
Mobile	0.0125	0.0399	0.1504	3.7000e-004	0.0247	5.5000e-004	0.0252	6.6100e-003	5.1000e-004	7.1200e-003	0.0000	28.7667	28.7667	1.1700e-003	0.0000	28.7913
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	0.4994	0.0000	0.4994	0.0295	0.0000	1.1191
Water						0.0000	0.0000	0.0000	0.0000	0.0000	0.0413	1.4534	1.4947	4.2800e-003	1.1000e-004	1.6178
Total	0.0441	0.0432	0.1850	4.1000e-004	0.0247	2.8100e-003	0.0275	6.6100e-003	2.7700e-003	9.3800e-003	0.7531	41.8973	42.6504	0.0359	2.2000e-004	43.4727

	ROG	NOx	CO	SO2	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	1/1/2017	1/13/2017	5	10	
2	Site Preparation	Site Preparation	1/14/2017	1/16/2017	5	1	
3	Grading	Grading	1/17/2017	1/18/2017	5	2	
4	Building Construction	Building Construction	1/19/2017	6/7/2017	5	100	
5	Paving	Paving	6/8/2017	6/14/2017	5	5	
6	Architectural Coating	Architectural Coating	6/15/2017	6/21/2017	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 12,174; Residential Outdoor: 4,058; 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
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	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
Demolition	4	10.00	0.00	7.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
	MT/yr															
Fugitive Dust					7.7000e-004	0.0000	7.7000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0200e-003	0.0524	0.0429	6.0000e-005	3.6300e-003	3.6300e-003	3.6300e-003	3.4600e-003	3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919
Total	6.0200e-003	0.0524	0.0429	6.0000e-005	7.7000e-004	3.6300e-003	4.4000e-003	1.2000e-004	3.4600e-003	3.5800e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
	MT/yr															
Hauling	6.0000e-005	9.5000e-004	7.5000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2349	0.2349	0.0000	0.0000	0.2349
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	2.0000e-004	2.9000e-004	3.0000e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5146	0.5146	3.0000e-005	0.0000	0.5152
Total	2.6000e-004	1.2400e-003	3.7500e-003	1.0000e-005	6.1000e-004	2.0000e-005	6.2000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.7495	0.7495	3.0000e-005	0.0000	0.7501

3.2 Demolition - 2017

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
MT/yr																	
Fugitive Dust					7.7000e-004	0.0000	7.7000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0200e-003	0.0524	0.0429	6.0000e-005	3.6300e-003	3.6300e-003	3.6300e-003	3.4600e-003	3.4600e-003	3.4600e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919	
Total	6.0200e-003	0.0524	0.0429	6.0000e-005	7.7000e-004	3.6300e-003	4.4000e-003	1.2000e-004	3.4600e-003	3.5800e-003	0.0000	5.3697	5.3697	1.0600e-003	0.0000	5.3919	

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
MT/yr																
Hauling	6.0000e-005	9.5000e-004	7.5000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2349	0.2349	0.0000	0.0000	0.2349
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	2.0000e-004	2.9000e-004	3.0000e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5146	0.5146	3.0000e-005	0.0000	0.5152
Total	2.6000e-004	1.2400e-003	3.7500e-003	1.0000e-005	6.1000e-004	2.0000e-005	6.2000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.7495	0.7495	3.0000e-005	0.0000	0.7501

3.3 Site Preparation - 2017
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
	MT/yr															
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	6.3400e-003	3.6200e-003	0.0000	3.9000e-004	3.9000e-004	3.9000e-004	3.5000e-004	3.5000e-004	3.5000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364
Total	6.3000e-004	6.3400e-003	3.6200e-003	0.0000	2.7000e-004	3.9000e-004	6.6000e-004	3.0000e-005	3.5000e-004	3.8000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	1.0000e-005	1.0000e-005	1.5000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0257	0.0257	0.0000	0.0000	0.0258
Total	1.0000e-005	1.0000e-005	1.5000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0257	0.0257	0.0000	0.0000	0.0258

3.3 Site Preparation - 2017
Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	6.3400e-003	3.6200e-003	0.0000	3.9000e-004	3.9000e-004	3.9000e-004	3.5000e-004	0.0000	3.5000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364
Total	6.3000e-004	6.3400e-003	3.6200e-003	0.0000	2.7000e-004	3.9000e-004	6.6000e-004	3.0000e-005	3.5000e-004	3.8000e-004	0.0000	0.4336	0.4336	1.3000e-004	0.0000	0.4364

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.0000e-005	1.0000e-005	1.5000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0257	0.0257	0.0000	0.0000	0.0258
Total	1.0000e-005	1.0000e-005	1.5000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0257	0.0257	0.0000	0.0000	0.0258

3.4 Grading - 2017

Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-003	0.0105	8.5800e-003	1.0000e-005	7.3000e-004	7.3000e-004	7.3000e-004	6.9000e-004	6.9000e-004	6.9000e-004	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784
Total	1.2000e-003	0.0105	8.5800e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	6.9000e-004	1.1000e-003	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784

Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1030
Total	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1030

3.4 Grading - 2017

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-003	0.0105	8.5800e-003	1.0000e-005	7.3000e-004	7.3000e-004	7.3000e-004	6.9000e-004	6.9000e-004	6.9000e-004	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784
Total	1.2000e-003	0.0105	8.5800e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	6.9000e-004	1.1000e-003	0.0000	1.0739	1.0739	2.1000e-004	0.0000	1.0784

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1030
Total	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1030

3.5 Building Construction - 2017
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
Off-Road	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428	0.0394	0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9339
Total	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428	0.0394	0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9339

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/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	2.0000e-004	2.9000e-004	3.0000e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5146	0.5146	3.0000e-005	0.0000	0.5152
Total	2.0000e-004	2.9000e-004	3.0000e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5146	0.5146	3.0000e-005	0.0000	0.5152

3.5 Building Construction - 2017

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428	0.0394	0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9338
Total	0.0637	0.6337	0.4020	5.7000e-004		0.0428	0.0428	0.0394	0.0394	0.0394	0.0000	52.5954	52.5954	0.0161	0.0000	52.9338

Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.0000e-004	2.9000e-004	3.0000e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5146	0.5146	3.0000e-005	0.0000	0.5152
Total	2.0000e-004	2.9000e-004	3.0000e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5146	0.5146	3.0000e-005	0.0000	0.5152

3.6 Paving - 2017

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003	1.3900e-003	1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384
Paving	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	2.6000e-003	0.0246	0.0181	3.0000e-005		1.5000e-003	1.5000e-003	1.3900e-003	1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.8000e-004	2.6000e-004	2.7000e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4631	0.4631	3.0000e-005	0.0000	0.4637
Total	1.8000e-004	2.6000e-004	2.7000e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4631	0.4631	3.0000e-005	0.0000	0.4637

3.6 Paving - 2017

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.6000e-003	0.0246	0.0181	3.0000e-005	1.5000e-003	1.5000e-003	1.5000e-003	1.3900e-003	1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384
Paving	0.0000				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	2.6000e-003	0.0246	0.0181	3.0000e-005	1.5000e-003	1.5000e-003	1.5000e-003	1.3900e-003	1.3900e-003	1.3900e-003	0.0000	2.4243	2.4243	6.7000e-004	0.0000	2.4384

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.8000e-004	2.6000e-004	2.7000e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4631	0.4631	3.0000e-005	0.0000	0.4637
Total	1.8000e-004	2.6000e-004	2.7000e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4631	0.4631	3.0000e-005	0.0000	0.4637

3.7 Architectural Coating - 2017

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
Archit. Coating	0.0235					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	5.4600e-003	4.6700e-003	1.0000e-005	4.3000e-004	4.3000e-004	4.3000e-004	4.3000e-004	4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6397
Total	0.0243	5.4600e-003	4.6700e-003	1.0000e-005	4.3000e-004	4.3000e-004	4.3000e-004	4.3000e-004	4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6397

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	tons/yr											MT/yr				CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Mitigated	0.0125	0.0399	0.1504	3.7000e-004	0.0247	5.5000e-004	0.0252	6.6100e-003	5.1000e-004	7.1200e-003	0.0000	28.7667	28.7667	1.1700e-003	0.0000	28.7913
Unmitigated	0.0125	0.0399	0.1504	3.7000e-004	0.0247	5.5000e-004	0.0252	6.6100e-003	5.1000e-004	7.1200e-003	0.0000	28.7667	28.7667	1.1700e-003	0.0000	28.7913

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Single Family Housing	19.14	20.16	17.54	65,121	65,121
Total	19.14	20.16	17.54	65,121	65,121

4.3 Trip Type Information

Land Use	Miles						Trip %			Trip Purpose %		
	H-W or C-C	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	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3	86	11	3

5.0 Energy Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
	MT/yr															
Electricity Mitigated					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.8644	7.8644	1.9000e-004	4.0000e-005	7.8802
Electricity Unmitigated					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.8644	7.8644	1.9000e-004	4.0000e-005	7.8802
NaturalGas Mitigated	3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.0000	3.3710	3.3710	6.0000e-005	6.0000e-005	3.3915
NaturalGas Unmitigated	3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.0000	3.3710	3.3710	6.0000e-005	6.0000e-005	3.3915

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	tons/yr																
	MT/yr																
Single Family Housing	63169.9	3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.0000	3.3710	3.3710	6.0000e-005	6.0000e-005	3.3915
Total		3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.0000	3.3710	3.3710	6.0000e-005	6.0000e-005	3.3915

5.2 Energy by Land Use - NaturalGas

Mitigated

Land Use	NaturalGas Use kBTU/yr	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Single Family Housing	63169.9	3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.0000	3.3710	3.3710	6.0000e-005	6.0000e-005	3.3915
Total		3.4000e-004	2.9100e-003	1.2400e-003	2.0000e-005	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.0000	3.3710	3.3710	6.0000e-005	6.0000e-005	3.3915

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	MT/yr					CO2e
		Total CO2	CH4	N2O	CO2e	CO2e	
Single Family Housing	14120.1	7.8644	1.9000e-004	4.0000e-005	7.8802	7.8802	
Total		7.8644	1.9000e-004	4.0000e-005	7.8802	7.8802	

5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
Single Family Housing	14120.1	7.8644	1.9000e-004	4.0000e-005	7.8802
Total		7.8644	1.9000e-004	4.0000e-005	7.8802

6.0 Area Detail

6.1 Mitigation Measures Area

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.0313	4.1000e-004	0.0334	2.0000e-005	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.7000e-004	1.0000e-005	0.6729
Unmitigated	0.0313	4.1000e-004	0.0334	2.0000e-005	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.7000e-004	1.0000e-005	0.6729

6.2 Area by SubCategory

Unmitigated

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	2.3500e-003					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0217					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.5500e-003	1.7000e-004	0.0126	2.0000e-005	1.9100e-003	1.9100e-003	1.9100e-003	1.9100e-003	1.9100e-003	0.2124	0.4082	0.6207	6.3000e-004	1.0000e-005	0.6385	0.6385
Landscaping	6.5000e-004	2.4000e-004	0.0208	0.0000	1.1000e-004	1.1000e-004	1.1000e-004	1.1000e-004	1.1000e-004	0.0000	0.0337	0.0337	3.0000e-005	0.0000	0.0344	0.0344
Total	0.0313	4.1000e-004	0.0334	2.0000e-005	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.6000e-004	1.0000e-005	0.6729	0.6729

6.2 Area by SubCategory

Mitigated

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Consumer Products	0.0217					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.5500e-003	1.7000e-004	0.0126	2.0000e-005	1.9100e-003	1.9100e-003	1.9100e-003	1.9100e-003	1.9100e-003	0.2124	0.4082	0.6207	6.3000e-004	1.0000e-005	1.0000e-005	0.6385
Landscaping	6.5000e-004	2.4000e-004	0.0208	0.0000	1.1000e-004	1.1000e-004	1.1000e-004	1.1000e-004	1.1000e-004	0.0000	0.0337	0.0337	3.0000e-005	0.0000	0.0000	0.0344
Architectural Coating	2.3500e-003					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0313	4.1000e-004	0.0334	2.0000e-005		2.0200e-003	2.0200e-003		2.0200e-003	0.2124	0.4419	0.6544	6.6000e-004	1.0000e-005	1.0000e-005	0.6729

7.0 Water Detail

7.1 Mitigation Measures Water

Category	MT/yr				CO2e
	Total CO2	CH4	N2O	CO2e	
Mitigated	1.4947	4.2800e-003	1.1000e-004	1.6178	1.6178
Unmitigated	1.4947	4.2800e-003	1.1000e-004	1.6179	1.6179

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Single Family Housing	0.130308 / 0.0821507	1.4947	4.2800e-003	1.1000e-004	1.6179
Total		1.4947	4.2800e-003	1.1000e-004	1.6179

Mitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Single Family Housing	0.130308 / 0.0821507	1.4947	4.2800e-003	1.1000e-004	1.6178
Total		1.4947	4.2800e-003	1.1000e-004	1.6178

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.4994	0.0295	0.0000	1.1191
Unmitigated	0.4994	0.0295	0.0000	1.1191

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	2.46	0.4994	0.0295	0.0000	1.1191
Total		0.4994	0.0295	0.0000	1.1191

8.2 Waste by Land Use

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
Single Family Housing	2.46	0.4994	0.0295	0.0000	1.1191
Total		0.4994	0.0295	0.0000	1.1191

9.0 Operational Offroad

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