

Winchester Study Area - Existing - Riverside-South Coast County, Summer

**Winchester Study Area - Existing
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	34,168.40	1000sqft	784.40	34,168,402.00	0
Single Family Housing	29,278.00	Dwelling Unit	9,505.84	52,700,400.00	83735

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Winchester Study Area - Existing - Riverside-South Coast County, Summer

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Woodstoves - SCAQMD prohibits wood burning fireplaces

Energy Use -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	PhaseEndDate	9/29/2059	5/31/2021
tblFireplaces	NumberWood	1,463.90	0.00
tblLandUse	LandUseSquareFeet	34,168,400.00	34,168,402.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Study Area - Existing - Riverside-South Coast County, Summer

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	2,809.295 8	557.8602	9,775.984 8	26.1759		1,217.384 7	1,217.384 7		1,217.384 7	1,217.3847	172,788.1 691	531,360.7 928	704,148.9 618	822.0851	9.6617	727,580.2 887
Energy	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7 299	326,948.7 299	6.2665	5.9941	328,891.6 228
Mobile	1,450.471 3	10,666.26 49	19,351.74 06	80.6968	5,987.214 2	55.7998	6,043.014 0	1,601.987 2	52.3744	1,654.3615		8,224,696. 7817	8,224,696. 7817	365.5965		8,233,836. 6937
Total	4,289.737 3	11,482.14 58	29,250.72 08	108.5074	5,987.214 2	1,293.891 2	7,281.105 5	1,601.987 2	1,290.465 8	2,892.4530	172,788.1 691	9,083,006. 3044	9,255,794. 4735	1,193.948 1	15.6558	9,290,308. 6052

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	2,809.295 8	557.8602	9,775.984 8	26.1759		1,217.384 7	1,217.384 7		1,217.384 7	1,217.3847	172,788.1 691	531,360.7 928	704,148.9 618	822.0851	9.6617	727,580.2 887
Energy	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7 299	326,948.7 299	6.2665	5.9941	328,891.6 228
Mobile	1,450.471 3	10,666.26 49	19,351.74 06	80.6968	5,987.214 2	55.7998	6,043.014 0	1,601.987 2	52.3744	1,654.3615		8,224,696. 7817	8,224,696. 7817	365.5965		8,233,836. 6937
Total	4,289.737 3	11,482.14 58	29,250.72 08	108.5074	5,987.214 2	1,293.891 2	7,281.105 5	1,601.987 2	1,290.465 8	2,892.4530	172,788.1 691	9,083,006. 3044	9,255,794. 4735	1,193.948 1	15.6558	9,290,308. 6052

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	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

Winchester Study Area - Existing - Riverside-South Coast County, Summer

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,450.471 3	10,666.26 49	19,351.74 06	80.6968	5,987.214 2	55.7998	6,043.014 0	1,601.987 2	52.3744	1,654.3615		8,224,696. 7817	8,224,696. 7817	365.5965		8,233,836. 6937
Unmitigated	1,450.471 3	10,666.26 49	19,351.74 06	80.6968	5,987.214 2	55.7998	6,043.014 0	1,601.987 2	52.3744	1,654.3615		8,224,696. 7817	8,224,696. 7817	365.5965		8,233,836. 6937

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	376,877.47	84,054.27	35876.82	1,061,542,256	1,061,542,256
Single Family Housing	278,726.56	290,144.98	252376.36	1,344,196,755	1,344,196,755
Total	655,604.03	374,199.25	288,253.18	2,405,739,011	2,405,739,011

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	18.50	10.10	7.90	33.00	48.00	19.00	77	19	4
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Winchester Study Area - Existing - Riverside-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228
NaturalGas Unmitigated	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228

Winchester Study Area - Existing - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	324834	3.5031	31.8465	26.7510	0.1911		2.4203	2.4203		2.4203	2.4203		38,215.7470	38,215.7470	0.7325	0.7006	38,442.8440
Single Family Housing	2.45423e+006	26.4672	226.1742	96.2443	1.4437		18.2864	18.2864		18.2864	18.2864		288,732.9830	288,732.9830	5.5341	5.2934	290,448.7787
Total		29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	324.834	3.5031	31.8465	26.7510	0.1911		2.4203	2.4203		2.4203	2.4203		38,215.7470	38,215.7470	0.7325	0.7006	38,442.8440
Single Family Housing	2454.23	26.4672	226.1742	96.2443	1.4437		18.2864	18.2864		18.2864	18.2864		288,732.9830	288,732.9830	5.5341	5.2934	290,448.7787
Total		29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Study Area - Existing - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	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	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887
Unmitigated	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887

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	177.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,720.0023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	838.4985	529.8850	7,351.7620	26.0481		1,204.0285	1,204.0285		1,204.0285	1,204.0285	172,788.1691	527,004.0000	699,792.1691	817.8505	9.6617	723,117.6296
Landscaping	73.6715	27.9753	2,424.2228	0.1278		13.3562	13.3562		13.3562	13.3562		4,356.7928	4,356.7928	4.2347		4,462.6591
Total	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	177.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,720.0023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	838.4985	529.8850	7,351.7620	26.0481		1,204.0285	1,204.0285		1,204.0285	1,204.0285	172,788.1691	527,004.0000	699,792.1691	817.8505	9.6617	723,117.6296
Landscaping	73.6715	27.9753	2,424.2228	0.1278		13.3562	13.3562		13.3562	13.3562		4,356.7928	4,356.7928	4.2347		4,462.6591
Total	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887

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 Stationary Equipment

Winchester Study Area - Existing - Riverside-South Coast County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Study Area - Existing - Riverside-South Coast County, Winter

**Winchester Study Area - Existing
Riverside-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	34,168.40	1000sqft	784.40	34,168,402.00	0
Single Family Housing	29,278.00	Dwelling Unit	9,505.84	52,700,400.00	83735

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Winchester Study Area - Existing - Riverside-South Coast County, Winter

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534-25 \times 0.029-298 \times 0.00617=531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Woodstoves - SCAQMD prohibits wood burning fireplaces

Energy Use -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	PhaseEndDate	9/29/2059	5/31/2021
tblFireplaces	NumberWood	1,463.90	0.00
tblLandUse	LandUseSquareFeet	34,168,400.00	34,168,402.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Study Area - Existing - Riverside-South Coast County, Winter

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	2,809.295 8	557.8602	9,775.984 8	26.1759		1,217.384 7	1,217.384 7		1,217.384 7	1,217.3847	172,788.1 691	531,360.7 928	704,148.9 618	822.0851	9.6617	727,580.2 887
Energy	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7 299	326,948.7 299	6.2665	5.9941	328,891.6 228
Mobile	1,240.574 1	10,732.93 09	16,520.78 42	74.4935	5,987.214 2	56.2590	6,043.473 2	1,601.987 2	52.8137	1,654.8009		7,603,133. 1437	7,603,133. 1437	372.4946		7,612,445. 5085
Total	4,079.840 2	11,548.81 18	26,419.76 44	102.3041	5,987.214 2	1,294.350 4	7,281.564 6	1,601.987 2	1,290.905 1	2,892.8923	172,788.1 691	8,461,442. 6664	8,634,230. 8354	1,200.846 3	15.6558	8,668,917. 4200

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	2,809.295 8	557.8602	9,775.984 8	26.1759		1,217.384 7	1,217.384 7		1,217.384 7	1,217.3847	172,788.1 691	531,360.7 928	704,148.9 618	822.0851	9.6617	727,580.2 887
Energy	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7 299	326,948.7 299	6.2665	5.9941	328,891.6 228
Mobile	1,240.574 1	10,732.93 09	16,520.78 42	74.4935	5,987.214 2	56.2590	6,043.473 2	1,601.987 2	52.8137	1,654.8009		7,603,133. 1437	7,603,133. 1437	372.4946		7,612,445. 5085
Total	4,079.840 2	11,548.81 18	26,419.76 44	102.3041	5,987.214 2	1,294.350 4	7,281.564 6	1,601.987 2	1,290.905 1	2,892.8923	172,788.1 691	8,461,442. 6664	8,634,230. 8354	1,200.846 3	15.6558	8,668,917. 4200

Winchester Study Area - Existing - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

Winchester Study Area - Existing - Riverside-South Coast County, Winter

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,240.574 1	10,732.93 09	16,520.78 42	74.4935	5,987.214 2	56.2590	6,043.473 2	1,601.987 2	52.8137	1,654.8009		7,603,133. 1437	7,603,133. 1437	372.4946		7,612,445. 5085
Unmitigated	1,240.574 1	10,732.93 09	16,520.78 42	74.4935	5,987.214 2	56.2590	6,043.473 2	1,601.987 2	52.8137	1,654.8009		7,603,133. 1437	7,603,133. 1437	372.4946		7,612,445. 5085

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	376,877.47	84,054.27	35876.82	1,061,542,256	1,061,542,256
Single Family Housing	278,726.56	290,144.98	252376.36	1,344,196,755	1,344,196,755
Total	655,604.03	374,199.25	288,253.18	2,405,739,011	2,405,739,011

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	18.50	10.10	7.90	33.00	48.00	19.00	77	19	4
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Winchester Study Area - Existing - Riverside-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228
NaturalGas Unmitigated	29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228

Winchester Study Area - Existing - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	324834	3.5031	31.8465	26.7510	0.1911		2.4203	2.4203		2.4203	2.4203		38,215.7470	38,215.7470	0.7325	0.7006	38,442.8440
Single Family Housing	2.45423e+006	26.4672	226.1742	96.2443	1.4437		18.2864	18.2864		18.2864	18.2864		288,732.9830	288,732.9830	5.5341	5.2934	290,448.7787
Total		29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	324.834	3.5031	31.8465	26.7510	0.1911		2.4203	2.4203		2.4203	2.4203		38,215.7470	38,215.7470	0.7325	0.7006	38,442.8440
Single Family Housing	2454.23	26.4672	226.1742	96.2443	1.4437		18.2864	18.2864		18.2864	18.2864		288,732.9830	288,732.9830	5.5341	5.2934	290,448.7787
Total		29.9703	258.0206	122.9954	1.6347		20.7068	20.7068		20.7068	20.7068		326,948.7299	326,948.7299	6.2665	5.9941	328,891.6228

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Study Area - Existing - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887
Unmitigated	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887

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	177.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,720.0023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	838.4985	529.8850	7,351.7620	26.0481		1,204.0285	1,204.0285		1,204.0285	1,204.0285	172,788.1691	527,004.0000	699,792.1691	817.8505	9.6617	723,117.6296
Landscaping	73.6715	27.9753	2,424.2228	0.1278		13.3562	13.3562		13.3562	13.3562		4,356.7928	4,356.7928	4.2347		4,462.6591
Total	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887

Winchester Study Area - Existing - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	177.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,720.0023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	838.4985	529.8850	7,351.7620	26.0481		1,204.0285	1,204.0285		1,204.0285	1,204.0285	172,788.1691	527,004.0000	699,792.1691	817.8505	9.6617	723,117.6296
Landscaping	73.6715	27.9753	2,424.2228	0.1278		13.3562	13.3562		13.3562	13.3562		4,356.7928	4,356.7928	4.2347		4,462.6591
Total	2,809.2958	557.8602	9,775.9848	26.1759		1,217.3847	1,217.3847		1,217.3847	1,217.3847	172,788.1691	531,360.7928	704,148.9618	822.0851	9.6617	727,580.2887

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 Stationary Equipment

Winchester Study Area - Existing - Riverside-South Coast County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

**Winchester Highway 79 - Existing
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29,863.00	Dwelling Unit	9,695.78	53,753,400.00	85408

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Woodstoves - Per SCAQMD no wood burning fireplaces

Energy Use -

Waste Mitigation - per AB 939

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,493.15	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

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	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444
Energy	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1 201	294,502.1 201	5.6446	5.3992	296,252.1 989
Mobile	681.1750	5,096.581 8	9,738.134 7	40.8199	3,067.368 3	28.2779	3,095.646 2	820.7297	26.5444	847.2741		4,159,039. 6004	4,159,039. 6004	176.2974		4,163,447. 0341
Total	2,794.700 9	5,896.249 1	19,804.04 75	68.9910	3,067.368 3	1,288.626 0	4,355.994 3	820.7297	1,286.892 5	2,107.6222	176,240.6 275	4,995,511. 9385	5,171,752. 5660	1,020.432 8	15.2540	5,201,809. 0774

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	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444
Energy	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1 201	294,502.1 201	5.6446	5.3992	296,252.1 989
Mobile	681.1750	5,096.581 8	9,738.134 7	40.8199	3,067.368 3	28.2779	3,095.646 2	820.7297	26.5444	847.2741		4,159,039. 6004	4,159,039. 6004	176.2974		4,163,447. 0341
Total	2,794.700 9	5,896.249 1	19,804.04 75	68.9910	3,067.368 3	1,288.626 0	4,355.994 3	820.7297	1,286.892 5	2,107.6222	176,240.6 275	4,995,511. 9385	5,171,752. 5660	1,020.432 8	15.2540	5,201,809. 0774

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

3.2 Demolition - 2021

Mitigated Construction On-Site

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

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	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

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	681.1750	5,096.5818	9,738.1347	40.8199	3,067.3683	28.2779	3,095.6462	820.7297	26.5444	847.2741		4,159,039.6004	4,159,039.6004	176.2974		4,163,447.0341
Unmitigated	681.1750	5,096.5818	9,738.1347	40.8199	3,067.3683	28.2779	3,095.6462	820.7297	26.5444	847.2741		4,159,039.6004	4,159,039.6004	176.2974		4,163,447.0341

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	284,295.76	295,942.33	257,419.06	1,371,054,979	1,371,054,979
Total	284,295.76	295,942.33	257,419.06	1,371,054,979	1,371,054,979

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989
NaturalGas Unmitigated	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

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					
Single Family Housing	2.50327e+006	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989
Total		26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989

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					
Single Family Housing	2503.27	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989
Total		26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	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	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444
Unmitigated	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444

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	92.1503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,064.317 3					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	855.2524	540.4725	7,498.656 6	26.5685		1,228.086 0	1,228.086 0		1,228.086 0	1,228.0860	176,240.6 275	537,534.0 000	713,774.6 275	834.1919	9.8548	737,566.1 512
Landscaping	74.8099	28.5015	2,469.088 7	0.1301		13.6103	13.6103		13.6103	13.6103		4,436.218 0	4,436.218 0	4.2990		4,543.693 3
Total	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	92.1503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,064.3173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	855.2524	540.4725	7,498.6566	26.5685		1,228.0860	1,228.0860		1,228.0860	1,228.0860	176,240.6275	537,534.0000	713,774.6275	834.1919	9.8548	737,566.1512
Landscaping	74.8099	28.5015	2,469.0887	0.1301		13.6103	13.6103		13.6103	13.6103		4,436.2180	4,436.2180	4.2990		4,543.6933
Total	2,086.5299	568.9740	9,967.7454	26.6986		1,241.6963	1,241.6963		1,241.6963	1,241.6963	176,240.6275	541,970.2180	718,210.8456	838.4909	9.8548	742,109.8444

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 Stationary Equipment

Winchester Highway 79 - Existing - Riverside-South Coast County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

Winchester Highway 79 - Existing
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29,863.00	Dwelling Unit	9,695.78	53,753,400.00	85408

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Woodstoves - Per SCAQMD no wood burning fireplaces

Energy Use -

Waste Mitigation - per AB 939

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,493.15	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

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	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444
Energy	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1 201	294,502.1 201	5.6446	5.3992	296,252.1 989
Mobile	585.5310	5,144.218 9	8,250.622 1	37.7016	3,067.368 3	28.4816	3,095.849 9	820.7297	26.7393	847.4690		3,846,967. 6273	3,846,967. 6273	178.3219		3,851,425. 6756
Total	2,699.056 9	5,943.886 2	18,316.53 49	65.8727	3,067.368 3	1,288.829 7	4,356.198 0	820.7297	1,287.087 4	2,107.8171	176,240.6 275	4,683,439. 9653	4,859,680. 5929	1,022.457 4	15.2540	4,889,787. 7189

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	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444
Energy	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1 201	294,502.1 201	5.6446	5.3992	296,252.1 989
Mobile	585.5310	5,144.218 9	8,250.622 1	37.7016	3,067.368 3	28.4816	3,095.849 9	820.7297	26.7393	847.4690		3,846,967. 6273	3,846,967. 6273	178.3219		3,851,425. 6756
Total	2,699.056 9	5,943.886 2	18,316.53 49	65.8727	3,067.368 3	1,288.829 7	4,356.198 0	820.7297	1,287.087 4	2,107.8171	176,240.6 275	4,683,439. 9653	4,859,680. 5929	1,022.457 4	15.2540	4,889,787. 7189

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

3.2 Demolition - 2021

Mitigated Construction On-Site

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

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	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

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	585.5310	5,144.2189	8,250.6221	37.7016	3,067.3683	28.4816	3,095.8499	820.7297	26.7393	847.4690		3,846,967.6273	3,846,967.6273	178.3219		3,851,425.6756
Unmitigated	585.5310	5,144.2189	8,250.6221	37.7016	3,067.3683	28.4816	3,095.8499	820.7297	26.7393	847.4690		3,846,967.6273	3,846,967.6273	178.3219		3,851,425.6756

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	284,295.76	295,942.33	257,419.06	1,371,054,979	1,371,054,979
Total	284,295.76	295,942.33	257,419.06	1,371,054,979	1,371,054,979

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989
NaturalGas Unmitigated	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

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					
Single Family Housing	2.50327e+006	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989
Total		26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989

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					
Single Family Housing	2503.27	26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989
Total		26.9960	230.6933	98.1674	1.4725		18.6518	18.6518		18.6518	18.6518		294,502.1201	294,502.1201	5.6446	5.3992	296,252.1989

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444
Unmitigated	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444

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	92.1503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,064.317 3					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	855.2524	540.4725	7,498.656 6	26.5685		1,228.086 0	1,228.086 0		1,228.086 0	1,228.0860	176,240.6 275	537,534.0 000	713,774.6 275	834.1919	9.8548	737,566.1 512
Landscaping	74.8099	28.5015	2,469.088 7	0.1301		13.6103	13.6103		13.6103	13.6103		4,436.218 0	4,436.218 0	4.2990		4,543.693 3
Total	2,086.529 9	568.9740	9,967.745 4	26.6986		1,241.696 3	1,241.696 3		1,241.696 3	1,241.6963	176,240.6 275	541,970.2 180	718,210.8 456	838.4909	9.8548	742,109.8 444

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	92.1503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,064.3173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	855.2524	540.4725	7,498.6566	26.5685		1,228.0860	1,228.0860		1,228.0860	1,228.0860	176,240.6275	537,534.0000	713,774.6275	834.1919	9.8548	737,566.1512
Landscaping	74.8099	28.5015	2,469.0887	0.1301		13.6103	13.6103		13.6103	13.6103		4,436.2180	4,436.2180	4.2990		4,543.6933
Total	2,086.5299	568.9740	9,967.7454	26.6986		1,241.6963	1,241.6963		1,241.6963	1,241.6963	176,240.6275	541,970.2180	718,210.8456	838.4909	9.8548	742,109.8444

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 Stationary Equipment

Winchester Highway 79 - Existing - Riverside-South Coast County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

**Winchester Study Area - Proposed
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26,638.74	1000sqft	611.54	26,638,737.00	0
Single Family Housing	39,028.00	Dwelling Unit	12,671.43	70,250,400.00	111620

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534-25 \times 0.029 - 298 \times 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - operations only

Off-road Equipment -

Woodstoves - SCAQMD prohibits the use of wood burning fireplaces

Energy Use -

Waste Mitigation - 50% waste diversion is required by CA AB939

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,951.40	0.00
tblLandUse	LandUseSquareFeet	26,638,700.00	26,638,737.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

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	3,321.498 5	743.4933	13,023.30 24	34.8927		1,622.822 8	1,622.822 8		1,622.822 8	1,622.8228	230,329.1 435	708,307.5 290	938,636.6 725	1,095.797 1	12.8792	969,869.6 126
Energy	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4 390	414,679.4 390	7.9480	7.6025	417,143.6 716
Mobile	1,260.594 3	7,551.493 0	17,470.54 96	79.8635	6,330.922 6	42.9671	6,373.889 7	1,693.670 7	40.0564	1,733.7271		8,151,370. 8014	8,151,370. 8014	307.1019		8,159,048. 3495
Total	4,620.105 1	8,621.308 3	30,643.00 30	116.8296	6,330.922 6	1,692.052 9	8,022.975 5	1,693.670 7	1,689.142 3	3,382.8130	230,329.1 435	9,274,357. 7694	9,504,686. 9129	1,410.847 0	20.4817	9,546,061. 6337

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	3,321.498 5	743.4933	13,023.30 24	34.8927		1,622.822 8	1,622.822 8		1,622.822 8	1,622.8228	230,329.1 435	708,307.5 290	938,636.6 725	1,095.797 1	12.8792	969,869.6 126
Energy	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4 390	414,679.4 390	7.9480	7.6025	417,143.6 716
Mobile	1,260.594 3	7,551.493 0	17,470.54 96	79.8635	6,330.922 6	42.9671	6,373.889 7	1,693.670 7	40.0564	1,733.7271		8,151,370. 8014	8,151,370. 8014	307.1019		8,159,048. 3495
Total	4,620.105 1	8,621.308 3	30,643.00 30	116.8296	6,330.922 6	1,692.052 9	8,022.975 5	1,693.670 7	1,689.142 3	3,382.8130	230,329.1 435	9,274,357. 7694	9,504,686. 9129	1,410.847 0	20.4817	9,546,061. 6337

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,260.594 3	7,551.493 0	17,470.54 96	79.8635	6,330.922 6	42.9671	6,373.889 7	1,693.670 7	40.0564	1,733.7271		8,151,370. 8014	8,151,370. 8014	307.1019		8,159,048. 3495
Unmitigated	1,260.594 3	7,551.493 0	17,470.54 96	79.8635	6,330.922 6	42.9671	6,373.889 7	1,693.670 7	40.0564	1,733.7271		8,151,370. 8014	8,151,370. 8014	307.1019		8,159,048. 3495

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	293,825.30	65,531.30	27970.68	827,611,082	827,611,082
Single Family Housing	371,546.56	386,767.48	336421.36	1,791,833,832	1,791,833,832
Total	665,371.86	452,298.78	364,392.04	2,619,444,915	2,619,444,915

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	18.50	10.10	7.90	33.00	48.00	19.00	77	19	4
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Single Family Housing	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716
NaturalGas Unmitigated	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	253250	2.7311	24.8285	20.8559	0.1490		1.8870	1.8870		1.8870	1.8870		29,794.1716	29,794.1716	0.5711	0.5462	29,971.2235
Single Family Housing	3.27152e+006	35.2812	301.4935	128.2951	1.9244		24.3761	24.3761		24.3761	24.3761		384,885.2674	384,885.2674	7.3770	7.0562	387,172.4481
Total		38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	253.25	2.7311	24.8285	20.8559	0.1490		1.8870	1.8870		1.8870	1.8870		29,794.1716	29,794.1716	0.5711	0.5462	29,971.2235
Single Family Housing	3271.52	35.2812	301.4935	128.2951	1.9244		24.3761	24.3761		24.3761	24.3761		384,885.2674	384,885.2674	7.3770	7.0562	387,172.4481
Total		38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	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	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126
Unmitigated	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126

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	188.0863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,918.4049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,117.7307	706.3444	9,800.0057	34.7224		1,604.9875	1,604.9875		1,604.9875	1,604.9875	230,329.1435	702,504.0000	932,833.1435	1,090.2066	12.8792	963,926.3218
Landscaping	97.2766	37.1489	3,223.2967	0.1702		17.8353	17.8353		17.8353	17.8353		5,803.5290	5,803.5290	5.5905		5,943.2909
Total	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	188.0863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,918.4049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,117.7307	706.3444	9,800.0057	34.7224		1,604.9875	1,604.9875		1,604.9875	1,604.9875	230,329.1435	702,504.0000	932,833.1435	1,090.2066	12.8792	963,926.3218
Landscaping	97.2766	37.1489	3,223.2967	0.1702		17.8353	17.8353		17.8353	17.8353		5,803.5290	5,803.5290	5.5905		5,943.2909
Total	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126

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 Stationary Equipment

Winchester Study Area - Proposed - Riverside-South Coast County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

**Winchester Study Area - Proposed
Riverside-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26,638.74	1000sqft	611.54	26,638,737.00	0
Single Family Housing	39,028.00	Dwelling Unit	12,671.43	70,250,400.00	111620

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10	Operational Year		2023	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - operations only

Off-road Equipment -

Woodstoves - SCAQMD prohibits the use of wood burning fireplaces

Energy Use -

Waste Mitigation - 50% waste diversion is required by CA AB939

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,951.40	0.00
tblLandUse	LandUseSquareFeet	26,638,700.00	26,638,737.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

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	3,321.498 5	743.4933	13,023.30 24	34.8927		1,622.822 8	1,622.822 8		1,622.822 8	1,622.8228	230,329.1 435	708,307.5 290	938,636.6 725	1,095.797 1	12.8792	969,869.6 126
Energy	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4 390	414,679.4 390	7.9480	7.6025	417,143.6 716
Mobile	1,069.485 3	7,562.539 1	14,808.63 98	73.8030	6,330.922 6	43.1767	6,374.099 3	1,693.670 7	40.2570	1,733.9277		7,543,880. 7116	7,543,880. 7116	310.1500		7,551,634. 4609
Total	4,428.996 1	8,632.354 4	27,981.09 32	110.7690	6,330.922 6	1,692.262 5	8,023.185 1	1,693.670 7	1,689.342 8	3,383.0135	230,329.1 435	8,666,867. 6796	8,897,196. 8231	1,413.895 1	20.4817	8,938,647. 7452

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	3,321.498 5	743.4933	13,023.30 24	34.8927		1,622.822 8	1,622.822 8		1,622.822 8	1,622.8228	230,329.1 435	708,307.5 290	938,636.6 725	1,095.797 1	12.8792	969,869.6 126
Energy	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4 390	414,679.4 390	7.9480	7.6025	417,143.6 716
Mobile	1,069.485 3	7,562.539 1	14,808.63 98	73.8030	6,330.922 6	43.1767	6,374.099 3	1,693.670 7	40.2570	1,733.9277		7,543,880. 7116	7,543,880. 7116	310.1500		7,551,634. 4609
Total	4,428.996 1	8,632.354 4	27,981.09 32	110.7690	6,330.922 6	1,692.262 5	8,023.185 1	1,693.670 7	1,689.342 8	3,383.0135	230,329.1 435	8,666,867. 6796	8,897,196. 8231	1,413.895 1	20.4817	8,938,647. 7452

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,069.485 3	7,562.539 1	14,808.63 98	73.8030	6,330.922 6	43.1767	6,374.099 3	1,693.670 7	40.2570	1,733.9277		7,543,880. 7116	7,543,880. 7116	310.1500		7,551,634. 4609
Unmitigated	1,069.485 3	7,562.539 1	14,808.63 98	73.8030	6,330.922 6	43.1767	6,374.099 3	1,693.670 7	40.2570	1,733.9277		7,543,880. 7116	7,543,880. 7116	310.1500		7,551,634. 4609

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	293,825.30	65,531.30	27970.68	827,611,082	827,611,082
Single Family Housing	371,546.56	386,767.48	336421.36	1,791,833,832	1,791,833,832
Total	665,371.86	452,298.78	364,392.04	2,619,444,915	2,619,444,915

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	18.50	10.10	7.90	33.00	48.00	19.00	77	19	4
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Single Family Housing	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716
NaturalGas Unmitigated	38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	253250	2.7311	24.8285	20.8559	0.1490		1.8870	1.8870		1.8870	1.8870		29,794.1716	29,794.1716	0.5711	0.5462	29,971.2235
Single Family Housing	3.27152e+006	35.2812	301.4935	128.2951	1.9244		24.3761	24.3761		24.3761	24.3761		384,885.2674	384,885.2674	7.3770	7.0562	387,172.4481
Total		38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	253.25	2.7311	24.8285	20.8559	0.1490		1.8870	1.8870		1.8870	1.8870		29,794.1716	29,794.1716	0.5711	0.5462	29,971.2235
Single Family Housing	3271.52	35.2812	301.4935	128.2951	1.9244		24.3761	24.3761		24.3761	24.3761		384,885.2674	384,885.2674	7.3770	7.0562	387,172.4481
Total		38.0123	326.3219	149.1510	2.0734		26.2630	26.2630		26.2630	26.2630		414,679.4390	414,679.4390	7.9480	7.6025	417,143.6716

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126
Unmitigated	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126

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	188.0863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,918.4049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,117.7307	706.3444	9,800.0057	34.7224		1,604.9875	1,604.9875		1,604.9875	1,604.9875	230,329.1435	702,504.0000	932,833.1435	1,090.2066	12.8792	963,926.3218
Landscaping	97.2766	37.1489	3,223.2967	0.1702		17.8353	17.8353		17.8353	17.8353		5,803.5290	5,803.5290	5.5905		5,943.2909
Total	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	188.0863					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,918.4049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,117.7307	706.3444	9,800.0057	34.7224		1,604.9875	1,604.9875		1,604.9875	1,604.9875	230,329.1435	702,504.0000	932,833.1435	1,090.2066	12.8792	963,926.3218
Landscaping	97.2766	37.1489	3,223.2967	0.1702		17.8353	17.8353		17.8353	17.8353		5,803.5290	5,803.5290	5.5905		5,943.2909
Total	3,321.4985	743.4933	13,023.3024	34.8927		1,622.8228	1,622.8228		1,622.8228	1,622.8228	230,329.1435	708,307.5290	938,636.6725	1,095.7971	12.8792	969,869.6126

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 Stationary Equipment

Winchester Study Area - Proposed - Riverside-South Coast County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

**Winchester Highway 79 - Proposed
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	32,442.00	Dwelling Unit	10,533.12	58,395,600.00	92784

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Off-road Equipment -

Woodstoves - SCAQMD prohibits the use of wood burning fireplaces

Energy Use -

Waste Mitigation - PEr AB 939

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,622.10	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

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	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303
Energy	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6 320	319,935.6 320	6.1321	5.8655	321,836.8 495
Mobile	621.2447	3,729.195 6	9,078.661 7	41.6263	3,331.704 1	22.4144	3,354.118 6	891.3092	20.8975	912.2067		4,247,561. 4031	4,247,561. 4031	155.3952		4,251,446. 2835
Total	2,916.678 1	4,597.819 6	20,008.65 82	72.2303	3,331.704 1	1,391.639 4	4,723.343 5	891.3092	1,390.122 5	2,281.4317	191,460.9 530	5,156,272. 3687	5,347,733. 3217	1,072.395 2	16.5714	5,379,481. 4633

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	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303
Energy	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6 320	319,935.6 320	6.1321	5.8655	321,836.8 495
Mobile	621.2447	3,729.195 6	9,078.661 7	41.6263	3,331.704 1	22.4144	3,354.118 6	891.3092	20.8975	912.2067		4,247,561. 4031	4,247,561. 4031	155.3952		4,251,446. 2835
Total	2,916.678 1	4,597.819 6	20,008.65 82	72.2303	3,331.704 1	1,391.639 4	4,723.343 5	891.3092	1,390.122 5	2,281.4317	191,460.9 530	5,156,272. 3687	5,347,733. 3217	1,072.395 2	16.5714	5,379,481. 4633

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	621.2447	3,729.1956	9,078.6617	41.6263	3,331.7041	22.4144	3,354.1186	891.3092	20.8975	912.2067		4,247,561.4031	4,247,561.4031	155.3952		4,251,446.2835
Unmitigated	621.2447	3,729.1956	9,078.6617	41.6263	3,331.7041	22.4144	3,354.1186	891.3092	20.8975	912.2067		4,247,561.4031	4,247,561.4031	155.3952		4,251,446.2835

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	308,847.84	321,500.22	279,650.04	1,489,460,725	1,489,460,725
Total	308,847.84	321,500.22	279,650.04	1,489,460,725	1,489,460,725

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495
NaturalGas Unmitigated	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

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					
Single Family Housing	2.71945e+006	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495
Total		29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495

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					
Single Family Housing	2719.45	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495
Total		29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	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	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303
Unmitigated	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303

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	100.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,156.232 9					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	929.1129	587.1483	8,146.248 5	28.8630		1,334.144 8	1,334.144 8		1,334.144 8	1,334.1448	191,460.9 530	583,956.0 000	775,416.9 530	906.2335	10.7059	801,263.1 375
Landscaping	80.6517	30.8595	2,677.102 8	0.1413		14.8175	14.8175		14.8175	14.8175		4,819.333 6	4,819.333 6	4.6344		4,935.192 8
Total	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	100.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,156.2329					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	929.1129	587.1483	8,146.2485	28.8630		1,334.1448	1,334.1448		1,334.1448	1,334.1448	191,460.9530	583,956.0000	775,416.9530	906.2335	10.7059	801,263.1375
Landscaping	80.6517	30.8595	2,677.1028	0.1413		14.8175	14.8175		14.8175	14.8175		4,819.3336	4,819.3336	4.6344		4,935.1928
Total	2,266.1060	618.0078	10,823.3513	29.0043		1,348.9623	1,348.9623		1,348.9623	1,348.9623	191,460.9530	588,775.3336	780,236.2866	910.8679	10.7059	806,198.3303

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 Stationary Equipment

Winchester Highway 79 - Proposed - Riverside-South Coast County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

Winchester Highway 79 - Proposed
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	32,442.00	Dwelling Unit	10,533.12	58,395,600.00	92784

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Off-road Equipment -

Woodstoves - SCAQMD prohibits the use of wood burning fireplaces

Energy Use -

Waste Mitigation - PEr AB 939

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,622.10	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

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	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303
Energy	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6 320	319,935.6 320	6.1321	5.8655	321,836.8 495
Mobile	529.2912	3,742.298 1	7,655.043 0	38.4836	3,331.704 1	22.5135	3,354.217 6	891.3092	20.9923	912.3015		3,932,834. 4216	3,932,834. 4216	156.1431		3,936,737. 9997
Total	2,824.724 6	4,610.922 1	18,585.03 95	69.0876	3,331.704 1	1,391.738 4	4,723.442 5	891.3092	1,390.217 2	2,281.5264	191,460.9 530	4,841,545. 3873	5,033,006. 3403	1,073.143 1	16.5714	5,064,773. 1795

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	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303
Energy	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6 320	319,935.6 320	6.1321	5.8655	321,836.8 495
Mobile	529.2912	3,742.298 1	7,655.043 0	38.4836	3,331.704 1	22.5135	3,354.217 6	891.3092	20.9923	912.3015		3,932,834. 4216	3,932,834. 4216	156.1431		3,936,737. 9997
Total	2,824.724 6	4,610.922 1	18,585.03 95	69.0876	3,331.704 1	1,391.738 4	4,723.442 5	891.3092	1,390.217 2	2,281.5264	191,460.9 530	4,841,545. 3873	5,033,006. 3403	1,073.143 1	16.5714	5,064,773. 1795

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	529.2912	3,742.2981	7,655.0430	38.4836	3,331.7041	22.5135	3,354.2176	891.3092	20.9923	912.3015		3,932,834.4216	3,932,834.4216	156.1431		3,936,737.9997
Unmitigated	529.2912	3,742.2981	7,655.0430	38.4836	3,331.7041	22.5135	3,354.2176	891.3092	20.9923	912.3015		3,932,834.4216	3,932,834.4216	156.1431		3,936,737.9997

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	308,847.84	321,500.22	279,650.04	1,489,460,725	1,489,460,725
Total	308,847.84	321,500.22	279,650.04	1,489,460,725	1,489,460,725

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495
NaturalGas Unmitigated	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

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					
Single Family Housing	2.71945e+006	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495
Total		29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495

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					
Single Family Housing	2719.45	29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495
Total		29.3274	250.6163	106.6452	1.5997		20.2626	20.2626		20.2626	20.2626		319,935.6320	319,935.6320	6.1321	5.8655	321,836.8495

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	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	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303
Unmitigated	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303

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	100.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,156.232 9					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	929.1129	587.1483	8,146.248 5	28.8630		1,334.144 8	1,334.144 8		1,334.144 8	1,334.1448	191,460.9 530	583,956.0 000	775,416.9 530	906.2335	10.7059	801,263.1 375
Landscaping	80.6517	30.8595	2,677.102 8	0.1413		14.8175	14.8175		14.8175	14.8175		4,819.333 6	4,819.333 6	4.6344		4,935.192 8
Total	2,266.106 0	618.0078	10,823.35 13	29.0043		1,348.962 3	1,348.962 3		1,348.962 3	1,348.9623	191,460.9 530	588,775.3 336	780,236.2 866	910.8679	10.7059	806,198.3 303

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	100.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,156.2329					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	929.1129	587.1483	8,146.2485	28.8630		1,334.1448	1,334.1448		1,334.1448	1,334.1448	191,460.9530	583,956.0000	775,416.9530	906.2335	10.7059	801,263.1375
Landscaping	80.6517	30.8595	2,677.1028	0.1413		14.8175	14.8175		14.8175	14.8175		4,819.3336	4,819.3336	4.6344		4,935.1928
Total	2,266.1060	618.0078	10,823.3513	29.0043		1,348.9623	1,348.9623		1,348.9623	1,348.9623	191,460.9530	588,775.3336	780,236.2866	910.8679	10.7059	806,198.3303

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 Stationary Equipment

Winchester Highway 79 - Proposed - Riverside-South Coast County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Study Area - Existing - Riverside-South Coast County, Annual

**Winchester Study Area - Existing
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	34,168.40	1000sqft	784.40	34,168,402.00	0
Single Family Housing	29,278.00	Dwelling Unit	9,505.84	52,700,400.00	83735

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Winchester Study Area - Existing - Riverside-South Coast County, Annual

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Woodstoves - SCAQMD prohibits wood burning fireplaces

Energy Use -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	PhaseEndDate	9/29/2059	5/31/2021
tblFireplaces	NumberWood	1,463.90	0.00
tblLandUse	LandUseSquareFeet	34,168,400.00	34,168,402.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Study Area - Existing - Riverside-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	365.9156	10.1205	394.9249	0.3416		16.7199	16.7199		16.7199	16.7199	1,959.3849	6,470.1768	8,429.5617	9.7545	0.1096	8,706.0730
Energy	5.4696	47.0888	22.4467	0.2983		3.7790	3.7790		3.7790	3.7790	0.0000	194,059.9051	194,059.9051	8.6733	2.5722	195,043.2538
Mobile	192.3512	1,689.8599	2,659.0769	11.8521	918.5587	8.7115	927.2702	246.1142	8.1773	254.2915	0.0000	1,097,182.1678	1,097,182.1678	51.0897	0.0000	1,098,459.4102
Waste						0.0000	0.0000		0.0000	0.0000	13,419.3185	0.0000	13,419.3185	793.0590	0.0000	33,245.7935
Water						0.0000	0.0000		0.0000	0.0000	2,531.8309	38,238.1333	40,769.9643	262.1299	6.5719	49,281.6379
Total	563.7364	1,747.0691	3,076.4484	12.4920	918.5587	29.2104	947.7690	246.1142	28.6762	274.7904	17,910.5343	1,335,950.3830	1,353,860.9172	1,124.7064	9.2537	1,384,736.1683

Winchester Study Area - Existing - Riverside-South Coast County, Annual

2.2 Overall Operational

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	365.9156	10.1205	394.9249	0.3416		16.7199	16.7199		16.7199	16.7199	1,959.3849	6,470.1768	8,429.5617	9.7545	0.1096	8,706.0730
Energy	5.4696	47.0888	22.4467	0.2983		3.7790	3.7790		3.7790	3.7790	0.0000	194,059.9051	194,059.9051	8.6733	2.5722	195,043.2538
Mobile	192.3512	1,689.8599	2,659.0769	11.8521	918.5587	8.7115	927.2702	246.1142	8.1773	254.2915	0.0000	1,097,182.1678	1,097,182.1678	51.0897	0.0000	1,098,459.4102
Waste						0.0000	0.0000		0.0000	0.0000	13,419.3185	0.0000	13,419.3185	793.0590	0.0000	33,245.7935
Water						0.0000	0.0000		0.0000	0.0000	2,531.8309	38,238.1333	40,769.9643	262.1299	6.5719	49,281.6379
Total	563.7364	1,747.0691	3,076.4484	12.4920	918.5587	29.2104	947.7690	246.1142	28.6762	274.7904	17,910.5343	1,335,950.3830	1,353,860.9172	1,124.7064	9.2537	1,384,736.1683

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Winchester Study Area - Existing - Riverside-South Coast County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

Winchester Study Area - Existing - Riverside-South Coast County, Annual

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	192.3512	1,689.8599	2,659.0769	11.8521	918.5587	8.7115	927.2702	246.1142	8.1773	254.2915	0.0000	1,097,182.1678	1,097,182.1678	51.0897	0.0000	1,098,459.4102
Unmitigated	192.3512	1,689.8599	2,659.0769	11.8521	918.5587	8.7115	927.2702	246.1142	8.1773	254.2915	0.0000	1,097,182.1678	1,097,182.1678	51.0897	0.0000	1,098,459.4102

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	376,877.47	84,054.27	35,876.82	1,061,542,256	1,061,542,256
Single Family Housing	278,726.56	290,144.98	252,376.36	1,344,196,755	1,344,196,755
Total	655,604.03	374,199.25	288,253.18	2,405,739,011	2,405,739,011

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	18.50	10.10	7.90	33.00	48.00	19.00	77	19	4
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Winchester Study Area - Existing - Riverside-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	139,929.8761	139,929.8761	7.6358	1.5798	140,591.5571
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	139,929.8761	139,929.8761	7.6358	1.5798	140,591.5571
NaturalGas Mitigated	5.4696	47.0888	22.4467	0.2983		3.7790	3.7790		3.7790	3.7790	0.0000	54,130.0290	54,130.0290	1.0375	0.9924	54,451.6967
NaturalGas Unmitigated	5.4696	47.0888	22.4467	0.2983		3.7790	3.7790		3.7790	3.7790	0.0000	54,130.0290	54,130.0290	1.0375	0.9924	54,451.6967

Winchester Study Area - Existing - Riverside-South Coast County, Annual

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					
General Office Building	1.18564e+008	0.6393	5.8120	4.8821	0.0349		0.4417	0.4417		0.4417	0.4417	0.0000	6,327.0455	6,327.0455	0.1213	0.1160	6,364.6440
Single Family Housing	8.95794e+008	4.8303	41.2768	17.5646	0.2635		3.3373	3.3373		3.3373	3.3373	0.0000	47,802.9835	47,802.9835	0.9162	0.8764	48,087.0527
Total		5.4696	47.0888	22.4467	0.2983		3.7790	3.7790		3.7790	3.7790	0.0000	54,130.0290	54,130.0290	1.0375	0.9924	54,451.6967

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					
General Office Building	1.18564e+008	0.6393	5.8120	4.8821	0.0349		0.4417	0.4417		0.4417	0.4417	0.0000	6,327.0455	6,327.0455	0.1213	0.1160	6,364.6440
Single Family Housing	8.95794e+008	4.8303	41.2768	17.5646	0.2635		3.3373	3.3373		3.3373	3.3373	0.0000	47,802.9835	47,802.9835	0.9162	0.8764	48,087.0527
Total		5.4696	47.0888	22.4467	0.2983		3.7790	3.7790		3.7790	3.7790	0.0000	54,130.0290	54,130.0290	1.0375	0.9924	54,451.6967

Winchester Study Area - Existing - Riverside-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	3.25283e+008	78,411.8312	4.2788	0.8853	78,782.6142
Single Family Housing	2.55201e+008	61,518.0449	3.3570	0.6945	61,808.9429
Total		139,929.8761	7.6358	1.5798	140,591.5571

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	3.25283e+008	78,411.8312	4.2788	0.8853	78,782.6142
Single Family Housing	2.55201e+008	61,518.0449	3.3570	0.6945	61,808.9429
Total		139,929.8761	7.6358	1.5798	140,591.5571

6.0 Area Detail

6.1 Mitigation Measures Area

Winchester Study Area - Existing - Riverside-South Coast County, Annual

	ROG	NOx	CO	SO2	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	365.9156	10.1205	394.9249	0.3416		16.7199	16.7199		16.7199	16.7199	1,959.3849	6,470.1768	8,429.5617	9.7545	0.1096	8,706.0730
Unmitigated	365.9156	10.1205	394.9249	0.3416		16.7199	16.7199		16.7199	16.7199	1,959.3849	6,470.1768	8,429.5617	9.7545	0.1096	8,706.0730

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	32.3250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	313.9004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	10.4812	6.6236	91.8970	0.3256		15.0504	15.0504		15.0504	15.0504	1,959.3849	5,976.1248	7,935.5097	9.2743	0.1096	8,200.0160
Landscaping	9.2089	3.4969	303.0279	0.0160		1.6695	1.6695		1.6695	1.6695	0.0000	494.0520	494.0520	0.4802	0.0000	506.0570
Total	365.9156	10.1205	394.9249	0.3416		16.7199	16.7199		16.7199	16.7199	1,959.3849	6,470.1768	8,429.5617	9.7545	0.1096	8,706.0730

Winchester Study Area - Existing - Riverside-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	32.3250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	313.9004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	10.4812	6.6236	91.8970	0.3256		15.0504	15.0504		15.0504	15.0504	1,959.3849	5,976.1248	7,935.5097	9.2743	0.1096	8,200.0160
Landscaping	9.2089	3.4969	303.0279	0.0160		1.6695	1.6695		1.6695	1.6695	0.0000	494.0520	494.0520	0.4802	0.0000	506.0570
Total	365.9156	10.1205	394.9249	0.3416		16.7199	16.7199		16.7199	16.7199	1,959.3849	6,470.1768	8,429.5617	9.7545	0.1096	8,706.0730

7.0 Water Detail

7.1 Mitigation Measures Water

Winchester Study Area - Existing - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	40,769.96 43	262.1299	6.5719	49,281.63 79
Unmitigated	40,769.96 43	262.1299	6.5719	49,281.63 79

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	6072.88 / 3722.09	30,956.50 84	199.4689	5.0002	37,433.30 28
Single Family Housing	1907.58 / 1202.6	9,813.455 9	62.6610	1.5717	11,848.33 51
Total		40,769.96 43	262.1299	6.5719	49,281.63 79

Winchester Study Area - Existing - Riverside-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	6072.88 / 3722.09	30,956.50 / 84	199.4689	5.0002	37,433.30 / 28
Single Family Housing	1907.58 / 1202.6	9,813.455 / 9	62.6610	1.5717	11,848.33 / 51
Total		40,769.96 / 43	262.1299	6.5719	49,281.63 / 79

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13,419.31 / 85	793.0590	0.0000	33,245.79 / 35
Unmitigated	13,419.31 / 85	793.0590	0.0000	33,245.79 / 35

Winchester Study Area - Existing - Riverside-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	31776.6	6,450.3647	381.2056	0.0000	15,980.5054
Single Family Housing	34331.3	6,968.9538	411.8534	0.0000	17,265.2881
Total		13,419.3185	793.0590	0.0000	33,245.7935

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	31776.6	6,450.3647	381.2056	0.0000	15,980.5054
Single Family Housing	34331.3	6,968.9538	411.8534	0.0000	17,265.2881
Total		13,419.3185	793.0590	0.0000	33,245.7935

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Winchester Study Area - Existing - Riverside-South Coast County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Highway 79 - Existing - Riverside-South Coast County, Annual

**Winchester Highway 79 - Existing
Riverside-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	29,863.00	Dwelling Unit	9,695.78	53,753,400.00	85408

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Woodstoves - Per SCAQMD no wood burning fireplaces

Energy Use -

Waste Mitigation - per AB 939

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,493.15	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Highway 79 - Existing - Riverside-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	231.0972	10.3186	402.3693	0.3484		17.0524	17.0524		17.0524	17.0524	1,998.5351	6,598.5917	8,597.1268	9.9471	0.1118	8,879.1056
Energy	4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	111,505.3579	111,505.3579	4.3586	1.6023	112,091.8135
Mobile	101.9843	907.3580	1,484.5084	6.6782	523.4959	4.9152	528.4111	140.2630	4.6141	144.8771	0.0000	618,053.1710	618,053.1710	27.4849	0.0000	618,740.2945
Waste						0.0000	0.0000		0.0000	0.0000	7,108.1914	0.0000	7,108.1914	420.0821	0.0000	17,610.2433
Water						0.0000	0.0000		0.0000	0.0000	617.2792	9,392.2582	10,009.5373	63.9130	1.6031	12,085.0752
Total	338.0083	959.7782	1,904.7932	7.2953	523.4959	25.3715	548.8674	140.2630	25.0705	165.3334	9,724.0056	745,549.3788	755,273.3844	525.7857	3.3171	769,406.5321

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2.2 Overall Operational

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	231.0972	10.3186	402.3693	0.3484		17.0524	17.0524		17.0524	17.0524	1,998.5351	6,598.5917	8,597.1268	9.9471	0.1118	8,879.1056
Energy	4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	111,505.3579	111,505.3579	4.3586	1.6023	112,091.8135
Mobile	101.9843	907.3580	1,484.5084	6.6782	523.4959	4.9152	528.4111	140.2630	4.6141	144.8771	0.0000	618,053.1710	618,053.1710	27.4849	0.0000	618,740.2945
Waste						0.0000	0.0000		0.0000	0.0000	7,108.1914	0.0000	7,108.1914	420.0821	0.0000	17,610.2433
Water						0.0000	0.0000		0.0000	0.0000	617.2792	9,392.2582	10,009.5373	63.9130	1.6031	12,085.0752
Total	338.0083	959.7782	1,904.7932	7.2953	523.4959	25.3715	548.8674	140.2630	25.0705	165.3334	9,724.0056	745,549.3788	755,273.3844	525.7857	3.3171	769,406.5321

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

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	0.0000	0.0000	0.0000	0.0000	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

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	0.0000	0.0000	0.0000	0.0000	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

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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	101.9843	907.3580	1,484.5084	6.6782	523.4959	4.9152	528.4111	140.2630	4.6141	144.8771	0.0000	618,053.1710	618,053.1710	27.4849	0.0000	618,740.2945
Unmitigated	101.9843	907.3580	1,484.5084	6.6782	523.4959	4.9152	528.4111	140.2630	4.6141	144.8771	0.0000	618,053.1710	618,053.1710	27.4849	0.0000	618,740.2945

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	284,295.76	295,942.33	257,419.06	1,371,054,979	1,371,054,979
Total	284,295.76	295,942.33	257,419.06	1,371,054,979	1,371,054,979

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	62,747.2291	62,747.2291	3.4240	0.7084	63,043.9395
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	62,747.2291	62,747.2291	3.4240	0.7084	63,043.9395
NaturalGas Mitigated	4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	48,758.1288	48,758.1288	0.9345	0.8939	49,047.8740
NaturalGas Unmitigated	4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	48,758.1288	48,758.1288	0.9345	0.8939	49,047.8740

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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					
Single Family Housing	9.13693e+008	4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	48,758.1288	48,758.1288	0.9345	0.8939	49,047.8740
Total		4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	48,758.1288	48,758.1288	0.9345	0.8939	49,047.8740

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					
Single Family Housing	9.13693e+008	4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	48,758.1288	48,758.1288	0.9345	0.8939	49,047.8740
Total		4.9268	42.1015	17.9156	0.2687		3.4040	3.4040		3.4040	3.4040	0.0000	48,758.1288	48,758.1288	0.9345	0.8939	49,047.8740

Winchester Highway 79 - Existing - Riverside-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	2.603e+008	62,747.2291	3.4240	0.7084	63,043.9395
Total		62,747.2291	3.4240	0.7084	63,043.9395

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	2.603e+008	62,747.2291	3.4240	0.7084	63,043.9395
Total		62,747.2291	3.4240	0.7084	63,043.9395

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	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	231.0972	10.3186	402.3693	0.3484		17.0524	17.0524		17.0524	17.0524	1,998.5351	6,598.5917	8,597.1268	9.9471	0.1118	8,879.1056
Unmitigated	231.0972	10.3186	402.3693	0.3484		17.0524	17.0524		17.0524	17.0524	1,998.5351	6,598.5917	8,597.1268	9.9471	0.1118	8,879.1056

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	16.8174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	194.2379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	10.6907	6.7559	93.7332	0.3321		15.3511	15.3511		15.3511	15.3511	1,998.5351	6,095.5330	8,094.0681	9.4596	0.1118	8,363.8595
Landscaping	9.3512	3.5627	308.6361	0.0163		1.7013	1.7013		1.7013	1.7013	0.0000	503.0587	503.0587	0.4875	0.0000	515.2462
Total	231.0972	10.3186	402.3693	0.3484		17.0524	17.0524		17.0524	17.0524	1,998.5351	6,598.5917	8,597.1268	9.9471	0.1118	8,879.1056

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	16.8174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	194.2379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	10.6907	6.7559	93.7332	0.3321		15.3511	15.3511		15.3511	15.3511	1,998.5351	6,095.5330	8,094.0681	9.4596	0.1118	8,363.8595
Landscaping	9.3512	3.5627	308.6361	0.0163		1.7013	1.7013		1.7013	1.7013	0.0000	503.0587	503.0587	0.4875	0.0000	515.2462
Total	231.0972	10.3186	402.3693	0.3484		17.0524	17.0524		17.0524	17.0524	1,998.5351	6,598.5917	8,597.1268	9.9471	0.1118	8,879.1056

7.0 Water Detail

7.1 Mitigation Measures Water

Winchester Highway 79 - Existing - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10,009.53 73	63.9130	1.6031	12,085.07 52
Unmitigated	10,009.53 73	63.9130	1.6031	12,085.07 52

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	1945.69 / 1226.63	10,009.53 73	63.9130	1.6031	12,085.07 52
Total		10,009.53 73	63.9130	1.6031	12,085.07 52

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	1945.69 / 1226.63	10,009.53 / 73	63.9130	1.6031	12,085.07 / 52
Total		10,009.53 / 73	63.9130	1.6031	12,085.07 / 52

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,108.191 / 4	420.0821	0.0000	17,610.24 / 33
Unmitigated	7,108.191 / 4	420.0821	0.0000	17,610.24 / 33

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	35017.3	7,108.1914	420.0821	0.0000	17,610.2433
Total		7,108.1914	420.0821	0.0000	17,610.2433

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	35017.3	7,108.1914	420.0821	0.0000	17,610.2433
Total		7,108.1914	420.0821	0.0000	17,610.2433

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Winchester Highway 79 - Existing - Riverside-South Coast County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Study Area - Proposed - Riverside-South Coast County, Annual

**Winchester Study Area - Proposed
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26,638.74	1000sqft	611.54	26,638,737.00	0
Single Family Housing	39,028.00	Dwelling Unit	12,671.43	70,250,400.00	111620

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - operations only

Off-road Equipment -

Woodstoves - SCAQMD prohibits the use of wood burning fireplaces

Energy Use -

Waste Mitigation - 50% waste diversion is required by CA AB939

Winchester Study Area - Proposed - Riverside-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,951.40	0.00
tblLandUse	LandUseSquareFeet	26,638,700.00	26,638,737.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Study Area - Proposed - Riverside-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	410.5659	13.4729	525.4122	0.4553		22.2918	22.2918		22.2918	22.2918	2,611.8886	8,624.3705	11,236.2590	12.9967	0.1461	11,604.6985
Energy	6.9372	59.5538	27.2201	0.3784		4.7930	4.7930		4.7930	4.7930	0.0000	211,791.557	211,791.557	9.1267	2.8747	212,876.3822
Mobile	171.1882	1,224.4725	2,461.0300	12.0874	999.9833	6.8968	1,006.8801	267.8855	6.4300	274.3155	0.0000	1,120,630.3502	1,120,630.3502	44.0636	0.0000	1,121,731.9405
Waste						0.0000	0.0000		0.0000	0.0000	14,318.6151	0.0000	14,318.6151	846.2059	0.0000	35,473.7629
Water						0.0000	0.0000		0.0000	0.0000	2,308.7919	34,907.3014	37,216.0934	239.0399	5.9934	44,978.1183
Total	588.6913	1,297.4991	3,013.6622	12.9211	999.9833	33.9815	1,033.9649	267.8855	33.5148	301.4003	19,239.2956	1,375,953.5778	1,395,192.8734	1,151.4328	9.0141	1,426,664.9024

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2.2 Overall Operational

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	410.5659	13.4729	525.4122	0.4553		22.2918	22.2918		22.2918	22.2918	2,611.8886	8,624.3705	11,236.2590	12.9967	0.1461	11,604.6985
Energy	6.9372	59.5538	27.2201	0.3784		4.7930	4.7930		4.7930	4.7930	0.0000	211,791.5557	211,791.5557	9.1267	2.8747	212,876.3822
Mobile	171.1882	1,224.4725	2,461.0300	12.0874	999.9833	6.8968	1,006.8801	267.8855	6.4300	274.3155	0.0000	1,120,630.3502	1,120,630.3502	44.0636	0.0000	1,121,731.9405
Waste						0.0000	0.0000		0.0000	0.0000	14,318.6151	0.0000	14,318.6151	846.2059	0.0000	35,473.7629
Water						0.0000	0.0000		0.0000	0.0000	2,308.7919	34,907.3014	37,216.0934	239.0399	5.9934	44,978.1183
Total	588.6913	1,297.4991	3,013.6622	12.9211	999.9833	33.9815	1,033.9649	267.8855	33.5148	301.4003	19,239.2956	1,375,953.5778	1,395,192.8734	1,151.4328	9.0141	1,426,664.9024

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

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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	171.1882	1,224.4725	2,461.0300	12.0874	999.9833	6.8968	1,006.8801	267.8855	6.4300	274.3155	0.0000	1,120,630.3502	1,120,630.3502	44.0636	0.0000	1,121,731.9405
Unmitigated	171.1882	1,224.4725	2,461.0300	12.0874	999.9833	6.8968	1,006.8801	267.8855	6.4300	274.3155	0.0000	1,120,630.3502	1,120,630.3502	44.0636	0.0000	1,121,731.9405

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	293,825.30	65,531.30	27,970.68	827,611,082	827,611,082
Single Family Housing	371,546.56	386,767.48	336,421.36	1,791,833,832	1,791,833,832
Total	665,371.86	452,298.78	364,392.04	2,619,444,915	2,619,444,915

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	18.50	10.10	7.90	33.00	48.00	19.00	77	19	4
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Single Family Housing	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	143,136.7240	143,136.7240	7.8108	1.6160	143,813.5691
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	143,136.7240	143,136.7240	7.8108	1.6160	143,813.5691
NaturalGas Mitigated	6.9372	59.5538	27.2201	0.3784		4.7930	4.7930		4.7930	4.7930	0.0000	68,654.8318	68,654.8318	1.3159	1.2587	69,062.8131
NaturalGas Unmitigated	6.9372	59.5538	27.2201	0.3784		4.7930	4.7930		4.7930	4.7930	0.0000	68,654.8318	68,654.8318	1.3159	1.2587	69,062.8131

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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					
General Office Building	9.24364e+007	0.4984	4.5312	3.8062	0.0272		0.3444	0.3444		0.3444	0.3444	0.0000	4,932.7593	4,932.7593	0.0945	0.0904	4,962.0722
Single Family Housing	1.19411e+009	6.4388	55.0226	23.4139	0.3512		4.4486	4.4486		4.4486	4.4486	0.0000	63,722.0725	63,722.0725	1.2213	1.1682	64,100.7410
Total		6.9372	59.5538	27.2201	0.3784		4.7930	4.7930		4.7930	4.7930	0.0000	68,654.8318	68,654.8318	1.3159	1.2587	69,062.8131

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					
General Office Building	9.24364e+007	0.4984	4.5312	3.8062	0.0272		0.3444	0.3444		0.3444	0.3444	0.0000	4,932.7593	4,932.7593	0.0945	0.0904	4,962.0722
Single Family Housing	1.19411e+009	6.4388	55.0226	23.4139	0.3512		4.4486	4.4486		4.4486	4.4486	0.0000	63,722.0725	63,722.0725	1.2213	1.1682	64,100.7410
Total		6.9372	59.5538	27.2201	0.3784		4.7930	4.7930		4.7930	4.7930	0.0000	68,654.8318	68,654.8318	1.3159	1.2587	69,062.8131

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	2.53601e+008	61,132.2751	3.3359	0.6902	61,421.3489
Single Family Housing	3.40187e+008	82,004.4489	4.4749	0.9258	82,392.2202
Total		143,136.7240	7.8108	1.6160	143,813.5691

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	2.53601e+008	61,132.2751	3.3359	0.6902	61,421.3489
Single Family Housing	3.40187e+008	82,004.4489	4.4749	0.9258	82,392.2202
Total		143,136.7240	7.8108	1.6160	143,813.5691

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	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	410.5659	13.4729	525.4122	0.4553		22.2918	22.2918		22.2918	22.2918	2,611.8886	8,624.3705	11,236.2590	12.9967	0.1461	11,604.6985
Unmitigated	410.5659	13.4729	525.4122	0.4553		22.2918	22.2918		22.2918	22.2918	2,611.8886	8,624.3705	11,236.2590	12.9967	0.1461	11,604.6985

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	34.3258					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	350.1089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	13.9716	8.8293	122.5001	0.4340		20.0623	20.0623		20.0623	20.0623	2,611.8886	7,966.2614	10,578.1499	12.3627	0.1461	10,930.7406
Landscaping	12.1596	4.6436	402.9121	0.0213		2.2294	2.2294		2.2294	2.2294	0.0000	658.1091	658.1091	0.6340	0.0000	673.9579
Total	410.5659	13.4729	525.4122	0.4553		22.2918	22.2918		22.2918	22.2918	2,611.8886	8,624.3705	11,236.2590	12.9967	0.1461	11,604.6985

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	34.3258					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	350.1089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	13.9716	8.8293	122.5001	0.4340		20.0623	20.0623		20.0623	20.0623	2,611.8886	7,966.2614	10,578.1499	12.3627	0.1461	10,930.7406
Landscaping	12.1596	4.6436	402.9121	0.0213		2.2294	2.2294		2.2294	2.2294	0.0000	658.1091	658.1091	0.6340	0.0000	673.9579
Total	410.5659	13.4729	525.4122	0.4553		22.2918	22.2918		22.2918	22.2918	2,611.8886	8,624.3705	11,236.2590	12.9967	0.1461	11,604.6985

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	37,216.09 34	239.0399	5.9934	44,978.11 83
Unmitigated	37,216.09 34	239.0399	5.9934	44,978.11 83

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4734.6 / 2901.85	24,134.61 38	155.5119	3.8983	29,184.11 52
Single Family Housing	2542.83 / 1603.09	13,081.47 95	83.5280	2.0950	15,794.00 31
Total		37,216.09 34	239.0399	5.9934	44,978.11 83

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4734.6 / 2901.85	24,134.61 / 38	155.5119	3.8983	29,184.11 / 52
Single Family Housing	2542.83 / 1603.09	13,081.47 / 95	83.5280	2.0950	15,794.00 / 31
Total		37,216.09 / 34	239.0399	5.9934	44,978.11 / 83

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14,318.61 / 51	846.2059	0.0000	35,473.76 / 29
Unmitigated	14,318.61 / 51	846.2059	0.0000	35,473.76 / 29

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	24774	5,028.8961	297.1992	0.0000	12,458.8772
Single Family Housing	45764.2	9,289.7190	549.0067	0.0000	23,014.8857
Total		14,318.6151	846.2059	0.0000	35,473.7629

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	24774	5,028.8961	297.1992	0.0000	12,458.8772
Single Family Housing	45764.2	9,289.7190	549.0067	0.0000	23,014.8857
Total		14,318.6151	846.2059	0.0000	35,473.7629

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Winchester Highway 79 - Proposed - Riverside-South Coast County, Annual

**Winchester Highway 79 - Proposed
Riverside-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	32,442.00	Dwelling Unit	10,533.12	58,395,600.00	92784

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	531.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2019 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as $534 - 25 * 0.029 - 298 * 0.00617 = 531.4363$ to avoid double counting.

Land Use -

Construction Phase - Operations only

Off-road Equipment -

Woodstoves - SCAQMD prohibits the use of wood burning fireplaces

Energy Use -

Waste Mitigation - PEr AB 939

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	0.00
tblFireplaces	NumberWood	1,622.10	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.44
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Winchester Highway 79 - Proposed - Riverside-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	250.9777	11.1968	436.4660	0.3785		18.5290	18.5290		18.5290	18.5290	2,171.1307	7,168.4529	9,339.5836	10.8020	0.1214	9,645.8126
Energy	5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	121,135.0776	121,135.0776	4.7350	1.7407	121,772.1801
Mobile	92.3488	660.1449	1,379.7917	6.8160	568.6075	3.8915	572.4989	152.3242	3.6283	155.9525	0.0000	631,783.2411	631,783.2411	24.1588	0.0000	632,387.2114
Waste						0.0000	0.0000		0.0000	0.0000	7,722.0685	0.0000	7,722.0685	456.3612	0.0000	19,131.0979
Water						0.0000	0.0000		0.0000	0.0000	670.5880	10,203.3834	10,873.9715	69.4326	1.7415	13,128.7550
Total	348.6787	717.0792	1,835.7204	7.4864	568.6075	26.1184	594.7258	152.3242	25.8552	178.1794	10,563.7873	770,290.1550	780,853.9423	565.4896	3.6036	796,065.0569

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2.2 Overall Operational

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	250.9777	11.1968	436.4660	0.3785		18.5290	18.5290		18.5290	18.5290	2,171.1307	7,168.4529	9,339.5836	10.8020	0.1214	9,645.8126
Energy	5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	121,135.0776	121,135.0776	4.7350	1.7407	121,772.1801
Mobile	92.3488	660.1449	1,379.7917	6.8160	568.6075	3.8915	572.4989	152.3242	3.6283	155.9525	0.0000	631,783.2411	631,783.2411	24.1588	0.0000	632,387.2114
Waste						0.0000	0.0000		0.0000	0.0000	7,722.0685	0.0000	7,722.0685	456.3612	0.0000	19,131.0979
Water						0.0000	0.0000		0.0000	0.0000	670.5880	10,203.3834	10,873.9715	69.4326	1.7415	13,128.7550
Total	348.6787	717.0792	1,835.7204	7.4864	568.6075	26.1184	594.7258	152.3242	25.8552	178.1794	10,563.7873	770,290.1550	780,853.9423	565.4896	3.6036	796,065.0569

	ROG	NOx	CO	SO2	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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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			0.00	0.00	19.80	7.90				

3.1 Mitigation Measures Construction

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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	92.3488	660.1449	1,379.7917	6.8160	568.6075	3.8915	572.4989	152.3242	3.6283	155.9525	0.0000	631,783.2411	631,783.2411	24.1588	0.0000	632,387.2114
Unmitigated	92.3488	660.1449	1,379.7917	6.8160	568.6075	3.8915	572.4989	152.3242	3.6283	155.9525	0.0000	631,783.2411	631,783.2411	24.1588	0.0000	632,387.2114

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	308,847.84	321,500.22	279,650.04	1,489,460,725	1,489,460,725
Total	308,847.84	321,500.22	279,650.04	1,489,460,725	1,489,460,725

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	68,166.1456	68,166.1456	3.7197	0.7696	68,488.4803
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	68,166.1456	68,166.1456	3.7197	0.7696	68,488.4803
NaturalGas Mitigated	5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	52,968.9320	52,968.9320	1.0152	0.9711	53,283.6999
NaturalGas Unmitigated	5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	52,968.9320	52,968.9320	1.0152	0.9711	53,283.6999

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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					
Single Family Housing	9.926e+008	5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	52,968.9320	52,968.9320	1.0152	0.9711	53,283.6999
Total		5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	52,968.9320	52,968.9320	1.0152	0.9711	53,283.6999

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					
Single Family Housing	9.926e+008	5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	52,968.9320	52,968.9320	1.0152	0.9711	53,283.6999
Total		5.3523	45.7375	19.4628	0.2919		3.6979	3.6979		3.6979	3.6979	0.0000	52,968.9320	52,968.9320	1.0152	0.9711	53,283.6999

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	2.8278e+008	68,166.1456	3.7197	0.7696	68,488.4803
Total		68,166.1456	3.7197	0.7696	68,488.4803

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	2.8278e+008	68,166.1456	3.7197	0.7696	68,488.4803
Total		68,166.1456	3.7197	0.7696	68,488.4803

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	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	250.9777	11.1968	436.4660	0.3785		18.5290	18.5290		18.5290	18.5290	2,171.1307	7,168.4529	9,339.5836	10.8020	0.1214	9,645.8126
Unmitigated	250.9777	11.1968	436.4660	0.3785		18.5290	18.5290		18.5290	18.5290	2,171.1307	7,168.4529	9,339.5836	10.8020	0.1214	9,645.8126

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	18.2698					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	211.0125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	11.6139	7.3394	101.8281	0.3608		16.6768	16.6768		16.6768	16.6768	2,171.1307	6,621.9497	8,793.0803	10.2765	0.1214	9,086.1711
Landscaping	10.0815	3.8574	334.6379	0.0177		1.8522	1.8522		1.8522	1.8522	0.0000	546.5032	546.5032	0.5255	0.0000	559.6415
Total	250.9777	11.1968	436.4660	0.3785		18.5290	18.5290		18.5290	18.5290	2,171.1307	7,168.4529	9,339.5836	10.8021	0.1214	9,645.8126

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.2698					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	211.0125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	11.6139	7.3394	101.8281	0.3608		16.6768	16.6768		16.6768	16.6768	2,171.1307	6,621.9497	8,793.0803	10.2765	0.1214	9,086.1711
Landscaping	10.0815	3.8574	334.6379	0.0177		1.8522	1.8522		1.8522	1.8522	0.0000	546.5032	546.5032	0.5255	0.0000	559.6415
Total	250.9777	11.1968	436.4660	0.3785		18.5290	18.5290		18.5290	18.5290	2,171.1307	7,168.4529	9,339.5836	10.8021	0.1214	9,645.8126

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10,873.97 15	69.4326	1.7415	13,128.75 50
Unmitigated	10,873.97 15	69.4326	1.7415	13,128.75 50

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2113.73 / 1332.57	10,873.97 15	69.4326	1.7415	13,128.75 50
Total		10,873.97 15	69.4326	1.7415	13,128.75 50

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2113.73 / 1332.57	10,873.97 / 15	69.4326	1.7415	13,128.75 / 50
Total		10,873.97 / 15	69.4326	1.7415	13,128.75 / 50

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,722.068 / 5	456.3612	0.0000	19,131.09 / 79
Unmitigated	7,722.068 / 5	456.3612	0.0000	19,131.09 / 79

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	38041.4	7,722.0685	456.3612	0.0000	19,131.0979
Total		7,722.0685	456.3612	0.0000	19,131.0979

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	38041.4	7,722.0685	456.3612	0.0000	19,131.0979
Total		7,722.0685	456.3612	0.0000	19,131.0979

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
