

APPENDIX A

AIR QUALITY AND GREENHOUSE GAS MODELING RESULTS

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Winchester Assisted Living Facility Project

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	49.00	Space	0.00	16,991.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Congregate Care (Assisted Living)	135.00	Dwelling Unit	1.26	107,901.00	386

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4	Operational Year	2025		
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Square footage for parking garage and assisted living facility based on applicant provided information. Lot acreage adjusted based on site plan.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire.

Demolition - Based on AQ Questionnaire.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Trip rates based on Transportation Impact Analysis prepared for the project by TJKM.

Mobile Land Use Mitigation - Based on AQ Questionnaire.

Energy Mitigation - Based on AQ Questionnaire.

Water Mitigation - Based on AQ Questionnaire.

Operational Off-Road Equipment -

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Stationary Sources - Emergency Generators and Fire Pumps - Based on AQ Questionnaire.

Stationary Sources - Emergency Generators and Fire Pumps EF -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	440.00
tblConstructionPhase	NumDays	200.00	440.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	2.00	120.00
tblGrading	MaterialExported	0.00	8,000.00
tblGrading	MaterialExported	0.00	8,000.00
tblLandUse	LandUseSquareFeet	19,600.00	16,991.00
tblLandUse	LandUseSquareFeet	135,000.00	107,901.00
tblLandUse	LotAcreage	0.44	0.00
tblLandUse	LotAcreage	8.44	1.26
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	100.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.35
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	13.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	2.93	2.60
tblVehicleTrips	SU_TR	3.15	2.60

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.3537	1.8581	1.5458	3.9600e-003	0.4910	0.0739	0.5649	0.2185	0.0696	0.2881	0.0000	352.6043	352.6043	0.0600	0.0133	358.0624
2024	0.7063	1.7397	2.2510	4.8100e-003	0.1459	0.0683	0.2142	0.0392	0.0661	0.1053	0.0000	416.8792	416.8792	0.0451	9.3900e-003	420.8055
2025	0.2292	0.5072	0.6887	1.4800e-003	0.0454	0.0184	0.0638	0.0122	0.0178	0.0300	0.0000	128.2193	128.2193	0.0135	2.8000e-003	129.3905
Maximum	0.7063	1.8581	2.2510	4.8100e-003	0.4910	0.0739	0.5649	0.2185	0.0696	0.2881	0.0000	416.8792	416.8792	0.0600	0.0133	420.8055

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.3537	1.8581	1.5458	3.9600e-003	0.4910	0.0739	0.5649	0.2185	0.0696	0.2881	0.0000	352.6040	352.6040	0.0600	0.0133	358.0622
2024	0.7063	1.7397	2.2510	4.8100e-003	0.1459	0.0683	0.2142	0.0392	0.0661	0.1053	0.0000	416.8788	416.8788	0.0451	9.3900e-003	420.8052
2025	0.2292	0.5072	0.6887	1.4800e-003	0.0454	0.0184	0.0638	0.0122	0.0178	0.0300	0.0000	128.2192	128.2192	0.0135	2.8000e-003	129.3904
Maximum	0.7063	1.8581	2.2510	4.8100e-003	0.4910	0.0739	0.5649	0.2185	0.0696	0.2881	0.0000	416.8788	416.8788	0.0600	0.0133	420.8052

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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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.4919	0.4919
2	4-1-2023	6-30-2023	0.4777	0.4777
3	7-1-2023	9-30-2023	0.5982	0.5982
4	10-1-2023	12-31-2023	0.6448	0.6448
5	1-1-2024	3-31-2024	0.6088	0.6088
6	4-1-2024	6-30-2024	0.6058	0.6058
7	7-1-2024	9-30-2024	0.6124	0.6124
8	10-1-2024	12-31-2024	0.6155	0.6155
9	1-1-2025	3-31-2025	0.5741	0.5741
10	4-1-2025	6-30-2025	0.1639	0.1639
		Highest	0.6448	0.6448

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8406	0.0187	1.4309	9.1000e-004		0.0669	0.0669		0.0669	0.0669	6.1546	4.1664	10.3210	0.0115	4.0000e-004	10.7278
Energy	6.1000e-003	0.0521	0.0222	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	117.2939	117.2939	0.0104	2.2200e-003	118.2154
Mobile	0.1401	0.1555	1.3014	2.7000e-003	0.2988	2.0000e-003	0.3008	0.0798	1.8600e-003	0.0817	0.0000	255.3847	255.3847	0.0166	0.0122	259.4399
Stationary	1.0700e-003	2.9800e-003	3.8700e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.4950	0.4950	7.0000e-005	0.0000	0.4968
Waste						0.0000	0.0000		0.0000	0.0000	25.0065	0.0000	25.0065	1.4778	0.0000	61.9524
Water						0.0000	0.0000		0.0000	0.0000	2.7905	6.1993	8.9898	0.2876	6.8900e-003	18.2331
Total	0.9878	0.2293	2.7583	3.9500e-003	0.2988	0.0733	0.3721	0.0798	0.0731	0.1530	33.9516	383.5392	417.4908	1.8040	0.0217	469.0654

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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	0.5297	0.0162	1.0039	8.0000e-005		5.9300e-003	5.9300e-003		5.9300e-003	5.9300e-003	0.0000	7.0314	7.0314	1.6700e-003	1.0000e-004	7.1027
Energy	5.1500e-003	0.0440	0.0187	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	101.1947	101.1947	9.1000e-003	1.9200e-003	101.9943
Mobile	0.1326	0.1418	1.1887	2.3900e-003	0.2636	1.7900e-003	0.2653	0.0704	1.6700e-003	0.0721	0.0000	226.2162	226.2162	0.0155	0.0112	229.9273
Stationary	1.0700e-003	2.9800e-003	3.8700e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.4950	0.4950	7.0000e-005	0.0000	0.4968
Waste						0.0000	0.0000		0.0000	0.0000	25.0065	0.0000	25.0065	1.4778	0.0000	61.9524
Water						0.0000	0.0000		0.0000	0.0000	1.5348	3.7688	5.3035	0.1583	3.8000e-003	10.3909
Total	0.6685	0.2050	2.2152	2.7600e-003	0.2636	0.0114	0.2750	0.0704	0.0113	0.0817	26.5412	338.7061	365.2474	1.6624	0.0170	411.8644

	ROG	NOx	CO	SO2	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	32.33	10.61	19.69	30.13	11.80	84.38	26.09	11.80	84.52	46.57	21.83	11.69	12.51	7.85	21.82	12.19

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	2/10/2023	5	30	
2	Site Preparation	Site Preparation	2/11/2023	7/28/2023	5	120	

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3	Grading	Grading	7/29/2023	8/11/2023	5	10
4	Paving	Paving	8/12/2023	8/15/2023	5	2
5	Building Construction	Building Construction	8/16/2023	4/22/2025	5	440
6	Architectural Coating	Architectural Coating	8/30/2023	5/6/2025	5	440

Acres of Grading (Site Preparation Phase): 112.5

Acres of Grading (Grading Phase): 10

Acres of Paving: 0.05

Residential Indoor: 218,500; Residential Outdoor: 72,833; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,139 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20

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Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	1,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	105.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2100e-003	0.0000	2.2100e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0221	0.2148	0.2019	3.6000e-004		0.0102	0.0102		9.4900e-003	9.4900e-003	0.0000	31.6299	31.6299	8.0200e-003	0.0000	31.8303
Total	0.0221	0.2148	0.2019	3.6000e-004	2.2100e-003	0.0102	0.0124	3.4000e-004	9.4900e-003	9.8300e-003	0.0000	31.6299	31.6299	8.0200e-003	0.0000	31.8303

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.3600e-003	3.2000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5968	0.5968	2.0000e-005	9.0000e-005	0.6255
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	5.0000e-004	3.4000e-004	4.3200e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2076	1.2076	3.0000e-005	3.0000e-005	1.2184
Total	5.2000e-004	1.7000e-003	4.6400e-003	2.0000e-005	1.7100e-003	2.0000e-005	1.7300e-003	4.6000e-004	2.0000e-005	4.8000e-004	0.0000	1.8044	1.8044	5.0000e-005	1.2000e-004	1.8439

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3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2100e-003	0.0000	2.2100e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0221	0.2148	0.2019	3.6000e-004		0.0102	0.0102		9.4900e-003	9.4900e-003	0.0000	31.6298	31.6298	8.0200e-003	0.0000	31.8303
Total	0.0221	0.2148	0.2019	3.6000e-004	2.2100e-003	0.0102	0.0124	3.4000e-004	9.4900e-003	9.8300e-003	0.0000	31.6298	31.6298	8.0200e-003	0.0000	31.8303

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	2.0000e-005	1.3600e-003	3.2000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5968	0.5968	2.0000e-005	9.0000e-005	0.6255
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	5.0000e-004	3.4000e-004	4.3200e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2076	1.2076	3.0000e-005	3.0000e-005	1.2184
Total	5.2000e-004	1.7000e-003	4.6400e-003	2.0000e-005	1.7100e-003	2.0000e-005	1.7300e-003	4.6000e-004	2.0000e-005	4.8000e-004	0.0000	1.8044	1.8044	5.0000e-005	1.2000e-004	1.8439

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3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3763	0.0000	0.3763	0.1803	0.0000	0.1803	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0680	0.7455	0.3985	1.0300e-003		0.0304	0.0304		0.0280	0.0280	0.0000	90.6853	90.6853	0.0293	0.0000	91.4185
Total	0.0680	0.7455	0.3985	1.0300e-003	0.3763	0.0304	0.4067	0.1803	0.0280	0.2083	0.0000	90.6853	90.6853	0.0293	0.0000	91.4185

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0400e-003	0.0678	0.0160	3.0000e-004	8.4600e-003	5.5000e-004	9.0000e-003	2.3300e-003	5.2000e-004	2.8500e-003	0.0000	29.8397	29.8397	9.8000e-004	4.7300e-003	31.2733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2300e-003	8.4000e-004	0.0106	3.0000e-005	3.7900e-003	2.0000e-005	3.8100e-003	1.0100e-003	2.0000e-005	1.0300e-003	0.0000	2.9726	2.9726	9.0000e-005	8.0000e-005	2.9991
Total	2.2700e-003	0.0686	0.0266	3.3000e-004	0.0123	5.7000e-004	0.0128	3.3400e-003	5.4000e-004	3.8800e-003	0.0000	32.8123	32.8123	1.0700e-003	4.8100e-003	34.2724

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3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3763	0.0000	0.3763	0.1803	0.0000	0.1803	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0680	0.7455	0.3985	1.0300e-003		0.0304	0.0304		0.0280	0.0280	0.0000	90.6852	90.6852	0.0293	0.0000	91.4184
Total	0.0680	0.7455	0.3985	1.0300e-003	0.3763	0.0304	0.4067	0.1803	0.0280	0.2083	0.0000	90.6852	90.6852	0.0293	0.0000	91.4184

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0400e-003	0.0678	0.0160	3.0000e-004	8.4600e-003	5.5000e-004	9.0000e-003	2.3300e-003	5.2000e-004	2.8500e-003	0.0000	29.8397	29.8397	9.8000e-004	4.7300e-003	31.2733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2300e-003	8.4000e-004	0.0106	3.0000e-005	3.7900e-003	2.0000e-005	3.8100e-003	1.0100e-003	2.0000e-005	1.0300e-003	0.0000	2.9726	2.9726	9.0000e-005	8.0000e-005	2.9991
Total	2.2700e-003	0.0686	0.0266	3.3000e-004	0.0123	5.7000e-004	0.0128	3.3400e-003	5.4000e-004	3.8800e-003	0.0000	32.8123	32.8123	1.0700e-003	4.8100e-003	34.2724

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0359	0.0000	0.0359	0.0172	0.0000	0.0172	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6700e-003	0.0723	0.0435	1.0000e-004		3.0200e-003	3.0200e-003		2.7800e-003	2.7800e-003	0.0000	9.0520	9.0520	2.9300e-003	0.0000	9.1252
Total	6.6700e-003	0.0723	0.0435	1.0000e-004	0.0359	3.0200e-003	0.0389	0.0172	2.7800e-003	0.0200	0.0000	9.0520	9.0520	2.9300e-003	0.0000	9.1252

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0400e-003	0.0678	0.0160	3.0000e-004	8.4600e-003	5.5000e-004	9.0000e-003	2.3300e-003	5.2000e-004	2.8500e-003	0.0000	29.8397	29.8397	9.8000e-004	4.7300e-003	31.2733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124
Total	1.1700e-003	0.0679	0.0171	3.0000e-004	8.8600e-003	5.5000e-004	9.4000e-003	2.4400e-003	5.2000e-004	2.9600e-003	0.0000	30.1493	30.1493	9.9000e-004	4.7400e-003	31.5857

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0359	0.0000	0.0359	0.0172	0.0000	0.0172	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6700e-003	0.0723	0.0435	1.0000e-004		3.0200e-003	3.0200e-003		2.7800e-003	2.7800e-003	0.0000	9.0520	9.0520	2.9300e-003	0.0000	9.1251
Total	6.6700e-003	0.0723	0.0435	1.0000e-004	0.0359	3.0200e-003	0.0389	0.0172	2.7800e-003	0.0200	0.0000	9.0520	9.0520	2.9300e-003	0.0000	9.1251

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0400e-003	0.0678	0.0160	3.0000e-004	8.4600e-003	5.5000e-004	9.0000e-003	2.3300e-003	5.2000e-004	2.8500e-003	0.0000	29.8397	29.8397	9.8000e-004	4.7300e-003	31.2733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124
Total	1.1700e-003	0.0679	0.0171	3.0000e-004	8.8600e-003	5.5000e-004	9.4000e-003	2.4400e-003	5.2000e-004	2.9600e-003	0.0000	30.1493	30.1493	9.9000e-004	4.7400e-003	31.5857

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3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4000e-004	6.2400e-003	8.8000e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	1.1772	1.1772	3.7000e-004	0.0000	1.1866
Paving	7.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.1000e-004	6.2400e-003	8.8000e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	1.1772	1.1772	3.7000e-004	0.0000	1.1866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0805	0.0805	0.0000	0.0000	0.0812
Total	3.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0805	0.0805	0.0000	0.0000	0.0812

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3.5 Paving - 2023

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	6.4000e-004	6.2400e-003	8.8000e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	1.1772	1.1772	3.7000e-004	0.0000	1.1866
Paving	7.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.1000e-004	6.2400e-003	8.8000e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	1.1772	1.1772	3.7000e-004	0.0000	1.1866

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	3.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0805	0.0805	0.0000	0.0000	0.0812
Total	3.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0805	0.0805	0.0000	0.0000	0.0812

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3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0746	0.5738	0.6179	1.0800e-003		0.0252	0.0252		0.0243	0.0243	0.0000	88.9836	88.9836	0.0151	0.0000	89.3613
Total	0.0746	0.5738	0.6179	1.0800e-003		0.0252	0.0252		0.0243	0.0243	0.0000	88.9836	88.9836	0.0151	0.0000	89.3613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4000e-004	0.0392	0.0123	1.8000e-004	5.7900e-003	2.3000e-004	6.0200e-003	1.6700e-003	2.2000e-004	1.8900e-003	0.0000	17.4103	17.4103	3.6000e-004	2.5800e-003	18.1867
Worker	0.0132	9.0100e-003	0.1141	3.4000e-004	0.0407	2.1000e-004	0.0409	0.0108	1.9000e-004	0.0110	0.0000	31.8629	31.8629	9.2000e-004	8.7000e-004	32.1464
Total	0.0141	0.0482	0.1264	5.2000e-004	0.0464	4.4000e-004	0.0469	0.0125	4.1000e-004	0.0129	0.0000	49.2732	49.2732	1.2800e-003	3.4500e-003	50.3330

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

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	0.0746	0.5738	0.6179	1.0800e-003		0.0252	0.0252		0.0243	0.0243	0.0000	88.9835	88.9835	0.0151	0.0000	89.3612
Total	0.0746	0.5738	0.6179	1.0800e-003		0.0252	0.0252		0.0243	0.0243	0.0000	88.9835	88.9835	0.0151	0.0000	89.3612

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	9.4000e-004	0.0392	0.0123	1.8000e-004	5.7900e-003	2.3000e-004	6.0200e-003	1.6700e-003	2.2000e-004	1.8900e-003	0.0000	17.4103	17.4103	3.6000e-004	2.5800e-003	18.1867
Worker	0.0132	9.0100e-003	0.1141	3.4000e-004	0.0407	2.1000e-004	0.0409	0.0108	1.9000e-004	0.0110	0.0000	31.8629	31.8629	9.2000e-004	8.7000e-004	32.1464
Total	0.0141	0.0482	0.1264	5.2000e-004	0.0464	4.4000e-004	0.0469	0.0125	4.1000e-004	0.0129	0.0000	49.2732	49.2732	1.2800e-003	3.4500e-003	50.3330

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3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1860	1.4494	1.6398	2.8900e-003		0.0590	0.0590		0.0570	0.0570	0.0000	237.9108	237.9108	0.0396	0.0000	238.9013
Total	0.1860	1.4494	1.6398	2.8900e-003		0.0590	0.0590		0.0570	0.0570	0.0000	237.9108	237.9108	0.0396	0.0000	238.9013

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4400e-003	0.1049	0.0321	4.7000e-004	0.0155	6.2000e-004	0.0161	4.4800e-003	5.9000e-004	5.0700e-003	0.0000	45.8206	45.8206	9.4000e-004	6.7800e-003	47.8637
Worker	0.0329	0.0215	0.2850	8.9000e-004	0.1087	5.3000e-004	0.1092	0.0289	4.9000e-004	0.0294	0.0000	83.0835	83.0835	2.2200e-003	2.1800e-003	83.7881
Total	0.0354	0.1264	0.3171	1.3600e-003	0.1242	1.1500e-003	0.1253	0.0334	1.0800e-003	0.0345	0.0000	128.9041	128.9041	3.1600e-003	8.9600e-003	131.6519

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3.6 Building Construction - 2024

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	0.1860	1.4494	1.6398	2.8900e-003		0.0590	0.0590		0.0570	0.0570	0.0000	237.9105	237.9105	0.0396	0.0000	238.9010
Total	0.1860	1.4494	1.6398	2.8900e-003		0.0590	0.0590		0.0570	0.0570	0.0000	237.9105	237.9105	0.0396	0.0000	238.9010

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	2.4400e-003	0.1049	0.0321	4.7000e-004	0.0155	6.2000e-004	0.0161	4.4800e-003	5.9000e-004	5.0700e-003	0.0000	45.8206	45.8206	9.4000e-004	6.7800e-003	47.8637
Worker	0.0329	0.0215	0.2850	8.9000e-004	0.1087	5.3000e-004	0.1092	0.0289	4.9000e-004	0.0294	0.0000	83.0835	83.0835	2.2200e-003	2.1800e-003	83.7881
Total	0.0354	0.1264	0.3171	1.3600e-003	0.1242	1.1500e-003	0.1253	0.0334	1.0800e-003	0.0345	0.0000	128.9041	128.9041	3.1600e-003	8.9600e-003	131.6519

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3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0530	0.4165	0.4976	8.8000e-004		0.0157	0.0157		0.0151	0.0151	0.0000	72.6529	72.6529	0.0119	0.0000	72.9494
Total	0.0530	0.4165	0.4976	8.8000e-004		0.0157	0.0157		0.0151	0.0151	0.0000	72.6529	72.6529	0.0119	0.0000	72.9494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3000e-004	0.0319	9.6300e-003	1.4000e-004	4.7200e-003	1.9000e-004	4.9100e-003	1.3700e-003	1.8000e-004	1.5500e-003	0.0000	13.7422	13.7422	2.9000e-004	2.0300e-003	14.3548
Worker	9.4600e-003	5.9200e-003	0.0817	2.6000e-004	0.0332	1.6000e-004	0.0333	8.8300e-003	1.4000e-004	8.9700e-003	0.0000	24.7629	24.7629	6.2000e-004	6.2000e-004	24.9641
Total	0.0102	0.0378	0.0913	4.0000e-004	0.0379	3.5000e-004	0.0383	0.0102	3.2000e-004	0.0105	0.0000	38.5051	38.5051	9.1000e-004	2.6500e-003	39.3188

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3.6 Building Construction - 2025

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	0.0530	0.4165	0.4976	8.8000e-004		0.0157	0.0157		0.0151	0.0151	0.0000	72.6528	72.6528	0.0119	0.0000	72.9494
Total	0.0530	0.4165	0.4976	8.8000e-004		0.0157	0.0157		0.0151	0.0151	0.0000	72.6528	72.6528	0.0119	0.0000	72.9494

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	7.3000e-004	0.0319	9.6300e-003	1.4000e-004	4.7200e-003	1.9000e-004	4.9100e-003	1.3700e-003	1.8000e-004	1.5500e-003	0.0000	13.7422	13.7422	2.9000e-004	2.0300e-003	14.3548
Worker	9.4600e-003	5.9200e-003	0.0817	2.6000e-004	0.0332	1.6000e-004	0.0333	8.8300e-003	1.4000e-004	8.9700e-003	0.0000	24.7629	24.7629	6.2000e-004	6.2000e-004	24.9641
Total	0.0102	0.0378	0.0913	4.0000e-004	0.0379	3.5000e-004	0.0383	0.0102	3.2000e-004	0.0105	0.0000	38.5051	38.5051	9.1000e-004	2.6500e-003	39.3188

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4300e-003	0.0573	0.0797	1.3000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	11.2343	11.2343	6.7000e-004	0.0000	11.2511
Total	0.1611	0.0573	0.0797	1.3000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	11.2343	11.2343	6.7000e-004	0.0000	11.2511

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3600e-003	1.6200e-003	0.0205	6.0000e-005	7.3000e-003	4.0000e-005	7.3400e-003	1.9400e-003	3.0000e-005	1.9800e-003	0.0000	5.7223	5.7223	1.6000e-004	1.6000e-004	5.7732
Total	2.3600e-003	1.6200e-003	0.0205	6.0000e-005	7.3000e-003	4.0000e-005	7.3400e-003	1.9400e-003	3.0000e-005	1.9800e-003	0.0000	5.7223	5.7223	1.6000e-004	1.6000e-004	5.7732

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3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4300e-003	0.0573	0.0797	1.3000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	11.2343	11.2343	6.7000e-004	0.0000	11.2511
Total	0.1611	0.0573	0.0797	1.3000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	11.2343	11.2343	6.7000e-004	0.0000	11.2511

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3600e-003	1.6200e-003	0.0205	6.0000e-005	7.3000e-003	4.0000e-005	7.3400e-003	1.9400e-003	3.0000e-005	1.9800e-003	0.0000	5.7223	5.7223	1.6000e-004	1.6000e-004	5.7732
Total	2.3600e-003	1.6200e-003	0.0205	6.0000e-005	7.3000e-003	4.0000e-005	7.3400e-003	1.9400e-003	3.0000e-005	1.9800e-003	0.0000	5.7223	5.7223	1.6000e-004	1.6000e-004	5.7732

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3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4546					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.4783	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5900e-003	4.3000e-003	0.0570	1.8000e-004	0.0217	1.1000e-004	0.0218	5.7800e-003	1.0000e-004	5.8800e-003	0.0000	16.6167	16.6167	4.4000e-004	4.4000e-004	16.7576
Total	6.5900e-003	4.3000e-003	0.0570	1.8000e-004	0.0217	1.1000e-004	0.0218	5.7800e-003	1.0000e-004	5.8800e-003	0.0000	16.6167	16.6167	4.4000e-004	4.4000e-004	16.7576

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3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4546					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.4783	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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	6.5900e-003	4.3000e-003	0.0570	1.8000e-004	0.0217	1.1000e-004	0.0218	5.7800e-003	1.0000e-004	5.8800e-003	0.0000	16.6167	16.6167	4.4000e-004	4.4000e-004	16.7576
Total	6.5900e-003	4.3000e-003	0.0570	1.8000e-004	0.0217	1.1000e-004	0.0218	5.7800e-003	1.0000e-004	5.8800e-003	0.0000	16.6167	16.6167	4.4000e-004	4.4000e-004	16.7576

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3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6900e-003	0.0516	0.0814	1.3000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053
Total	0.1639	0.0516	0.0814	1.3000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.3300e-003	0.0184	6.0000e-005	7.4700e-003	4.0000e-005	7.5000e-003	1.9900e-003	3.0000e-005	2.0200e-003	0.0000	5.5717	5.5717	1.4000e-004	1.4000e-004	5.6169
Total	2.1300e-003	1.3300e-003	0.0184	6.0000e-005	7.4700e-003	4.0000e-005	7.5000e-003	1.9900e-003	3.0000e-005	2.0200e-003	0.0000	5.5717	5.5717	1.4000e-004	1.4000e-004	5.6169

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3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6900e-003	0.0516	0.0814	1.3000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053
Total	0.1639	0.0516	0.0814	1.3000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.3300e-003	0.0184	6.0000e-005	7.4700e-003	4.0000e-005	7.5000e-003	1.9900e-003	3.0000e-005	2.0200e-003	0.0000	5.5717	5.5717	1.4000e-004	1.4000e-004	5.6169
Total	2.1300e-003	1.3300e-003	0.0184	6.0000e-005	7.4700e-003	4.0000e-005	7.5000e-003	1.9900e-003	3.0000e-005	2.0200e-003	0.0000	5.5717	5.5717	1.4000e-004	1.4000e-004	5.6169

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1326	0.1418	1.1887	2.3900e-003	0.2636	1.7900e-003	0.2653	0.0704	1.6700e-003	0.0721	0.0000	226.2162	226.2162	0.0155	0.0112	229.9273
Unmitigated	0.1401	0.1555	1.3014	2.7000e-003	0.2988	2.0000e-003	0.3008	0.0798	1.8600e-003	0.0817	0.0000	255.3847	255.3847	0.0166	0.0122	259.4399

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	351.00	351.00	351.00	810,672	715,013
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	351.00	351.00	351.00	810,672	715,013

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
Congregate Care (Assisted Living)	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking with Elevator	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Parking Lot	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

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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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.2256	50.2256	8.1300e-003	9.8000e-004	50.7222
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	56.9113	56.9113	9.2100e-003	1.1200e-003	57.4740
NaturalGas Mitigated	5.1500e-003	0.0440	0.0187	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	50.9692	50.9692	9.8000e-004	9.3000e-004	51.2721
NaturalGas Unmitigated	6.1000e-003	0.0521	0.0222	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	60.3826	60.3826	1.1600e-003	1.1100e-003	60.7414

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					
Congregate Care (Assisted Living)	1.13153e+006	6.1000e-003	0.0521	0.0222	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	60.3826	60.3826	1.1600e-003	1.1100e-003	60.7414
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.1000e-003	0.0521	0.0222	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003	0.0000	60.3826	60.3826	1.1600e-003	1.1100e-003	60.7414

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5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Congregate Care (Assisted Living)	955126	5.1500e-003	0.0440	0.0187	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	50.9692	50.9692	9.8000e-004	9.3000e-004	51.2721
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.1500e-003	0.0440	0.0187	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	50.9692	50.9692	9.8000e-004	9.3000e-004	51.2721

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	521968	48.2945	7.8100e-003	9.5000e-004	48.7720
Enclosed Parking with Elevator	92431	8.5521	1.3800e-003	1.7000e-004	8.6366
Parking Lot	700	0.0648	1.0000e-005	0.0000	0.0654
Total		56.9113	9.2000e-003	1.1200e-003	57.4740

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	501242	46.3768	7.5000e-003	9.1000e-004	46.8354
Enclosed Parking with Elevator	59230.6	5.4802	8.9000e-004	1.1000e-004	5.5344
Parking Lot	-17633.3	-1.6315	-0.0003	0.0000	-1.6476
Total		50.2256	8.1300e-003	9.9000e-004	50.7222

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5297	0.0162	1.0039	8.0000e-005		5.9300e-003	5.9300e-003		5.9300e-003	5.9300e-003	0.0000	7.0314	7.0314	1.6700e-003	1.0000e-004	7.1027
Unmitigated	0.8406	0.0187	1.4309	9.1000e-004		0.0669	0.0669		0.0669	0.0669	6.1546	4.1664	10.3210	0.0115	4.0000e-004	10.7278

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0764					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.3115	7.1700e-003	0.4289	8.5000e-004		0.0613	0.0613		0.0613	0.0613	6.1546	2.5280	8.6826	9.8900e-003	4.0000e-004	9.0502
Landscaping	0.0301	0.0115	1.0019	5.0000e-005		5.5600e-003	5.5600e-003		5.5600e-003	5.5600e-003	0.0000	1.6384	1.6384	1.5700e-003	0.0000	1.6776
Total	0.8406	0.0187	1.4309	9.0000e-004		0.0669	0.0669		0.0669	0.0669	6.1546	4.1664	10.3210	0.0115	4.0000e-004	10.7278

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0764					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.4000e-004	4.6600e-003	1.9800e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	5.3931	5.3931	1.0000e-004	1.0000e-004	5.4251
Landscaping	0.0301	0.0115	1.0019	5.0000e-005		5.5600e-003	5.5600e-003		5.5600e-003	5.5600e-003	0.0000	1.6384	1.6384	1.5700e-003	0.0000	1.6776
Total	0.5296	0.0162	1.0039	8.0000e-005		5.9400e-003	5.9400e-003		5.9400e-003	5.9400e-003	0.0000	7.0314	7.0314	1.6700e-003	1.0000e-004	7.1027

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.3035	0.1583	3.8000e-003	10.3909
Unmitigated	8.9898	0.2876	6.8900e-003	18.2331

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	8.79579 / 5.54517	8.9898	0.2876	6.8900e-003	18.2331
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		8.9898	0.2876	6.8900e-003	18.2331

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	4.83769 / 4.15888	5.3035	0.1583	3.8000e-003	10.3909
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.3035	0.1583	3.8000e-003	10.3909

8.0 Waste Detail

8.1 Mitigation Measures Waste

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.0065	1.4778	0.0000	61.9524
Unmitigated	25.0065	1.4778	0.0000	61.9524

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	123.19	25.0065	1.4778	0.0000	61.9524
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.0065	1.4778	0.0000	61.9524

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	123.19	25.0065	1.4778	0.0000	61.9524
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.0065	1.4778	0.0000	61.9524

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
Emergency Generator	1	0.35	13	100	0.73	Diesel

Boilers

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

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (100 - 175 HP)	1.0700e-003	2.9800e-003	3.8700e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.4950	0.4950	7.0000e-005	0.0000	0.4968
Total	1.0700e-003	2.9800e-003	3.8700e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.4950	0.4950	7.0000e-005	0.0000	0.4968

11.0 Vegetation

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Winchester Assisted Living Facility Project

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	49.00	Space	0.00	16,991.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Congregate Care (Assisted Living)	135.00	Dwelling Unit	1.26	107,901.00	386

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4	Operational Year	2025		
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Square footage for parking garage and assisted living facility based on applicant provided information. Lot acreage adjusted based on site plan.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire.

Demolition - Based on AQ Questionnaire.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Trip rates based on Transportation Impact Analysis prepared for the project by TJKM.

Mobile Land Use Mitigation - Based on AQ Questionnaire.

Energy Mitigation - Based on AQ Questionnaire.

Water Mitigation - Based on AQ Questionnaire.

Operational Off-Road Equipment -

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Stationary Sources - Emergency Generators and Fire Pumps - Based on AQ Questionnaire.

Stationary Sources - Emergency Generators and Fire Pumps EF -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	440.00
tblConstructionPhase	NumDays	200.00	440.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	2.00	120.00
tblGrading	MaterialExported	0.00	8,000.00
tblGrading	MaterialExported	0.00	8,000.00
tblLandUse	LandUseSquareFeet	19,600.00	16,991.00
tblLandUse	LandUseSquareFeet	135,000.00	107,901.00
tblLandUse	LotAcreage	0.44	0.00
tblLandUse	LotAcreage	8.44	1.26
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	100.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.35
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	13.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	2.93	2.60
tblVehicleTrips	SU_TR	3.15	2.60

2.0 Emissions Summary

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5459	27.5510	17.6808	0.0816	9.0043	0.7144	9.7186	3.9396	0.6612	4.6009	0.0000	8,644.418 6	8,644.418 6	0.8641	1.0437	8,977.054 1
2024	5.4087	13.2298	17.3759	0.0373	1.1570	0.5211	1.6781	0.3097	0.5047	0.8144	0.0000	3,564.253 5	3,564.253 5	0.3781	0.0773	3,596.732 3
2025	5.2836	12.4853	17.1165	0.0370	1.1570	0.4534	1.6104	0.3097	0.4389	0.7485	0.0000	3,536.115 3	3,536.115 3	0.3692	0.0750	3,567.682 5
Maximum	5.5459	27.5510	17.6808	0.0816	9.0043	0.7144	9.7186	3.9396	0.6612	4.6009	0.0000	8,644.418 6	8,644.418 6	0.8641	1.0437	8,977.054 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5459	27.5510	17.6808	0.0816	9.0043	0.7144	9.7186	3.9396	0.6612	4.6009	0.0000	8,644.418 6	8,644.418 6	0.8641	1.0437	8,977.054 1
2024	5.4087	13.2298	17.3759	0.0373	1.1570	0.5211	1.6781	0.3097	0.5047	0.8144	0.0000	3,564.253 4	3,564.253 4	0.3781	0.0773	3,596.732 3
2025	5.2836	12.4853	17.1165	0.0370	1.1570	0.4534	1.6104	0.3097	0.4389	0.7485	0.0000	3,536.115 3	3,536.115 3	0.3692	0.0750	3,567.682 5
Maximum	5.5459	27.5510	17.6808	0.0816	9.0043	0.7144	9.7186	3.9396	0.6612	4.6009	0.0000	8,644.418 6	8,644.418 6	0.8641	1.0437	8,977.054 1

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	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

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	58.5889	1.3556	84.4857	0.1419		10.4753	10.4753		10.4753	10.4753	1,130.0642	520.3605	1,650.4247	1.5657	0.0799	1,713.3695
Energy	0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818
Mobile	0.8584	0.7861	7.1065	0.0156	1.7064	0.0110	1.7174	0.4545	0.0103	0.4647		1,630.0296	1,630.0296	0.0941	0.0702	1,653.3121
Stationary	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860
Total	59.5381	2.5880	91.9221	0.1596	1.7064	10.5179	12.2242	0.4545	10.5171	10.9716	1,130.0642	2,544.4876	3,674.5518	1.6709	0.1568	3,763.0495

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Area	3.1666	0.9643	11.4884	5.9300e-003		0.1294	0.1294		0.1294	0.1294	0.0000	1,087.3605	1,087.3605	0.0397	0.0196	1,094.1838
Energy	0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864
Mobile	0.8183	0.7168	6.4459	0.0138	1.5050	9.8600e-003	1.5149	0.4009	9.1900e-003	0.4100		1,443.4517	1,443.4517	0.0870	0.0641	1,464.7269
Stationary	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860
Total	4.0705	2.0827	18.2453	0.0216	1.5050	0.1672	1.6722	0.4009	0.1665	0.5674	0.0000	2,868.0522	2,868.0522	0.1368	0.0893	2,898.0831

	ROG	NOx	CO	SO2	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	93.16	19.52	80.15	86.48	11.80	98.41	86.32	11.80	98.42	94.83	100.00	-12.72	21.95	91.82	43.05	22.99

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	2/10/2023	5	30	
2	Site Preparation	Site Preparation	2/11/2023	7/28/2023	5	120	
3	Grading	Grading	7/29/2023	8/11/2023	5	10	
4	Paving	Paving	8/12/2023	8/15/2023	5	2	

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5	Building Construction	Building Construction	8/16/2023	4/22/2025	5	440
6	Architectural Coating	Architectural Coating	8/30/2023	5/6/2025	5	440

Acres of Grading (Site Preparation Phase): 112.5

Acres of Grading (Grading Phase): 10

Acres of Paving: 0.05

Residential Indoor: 218,500; Residential Outdoor: 72,833; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,139 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	1,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	105.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1477	0.0000	0.1477	0.0224	0.0000	0.0224			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.1477	0.6766	0.8243	0.0224	0.6328	0.6551		2,324.3959	2,324.3959	0.5893		2,339.1278

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4300e-003	0.0871	0.0212	4.0000e-004	0.0117	7.3000e-004	0.0124	3.2000e-003	7.0000e-004	3.9000e-003		43.8395	43.8395	1.4500e-003	6.9500e-003	45.9457
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0366	0.1073	0.3319	1.3300e-003	0.1185	1.2600e-003	0.1197	0.0315	1.1900e-003	0.0327		138.5893	138.5893	3.8400e-003	9.2000e-003	141.4252

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1477	0.0000	0.1477	0.0224	0.0000	0.0224			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.1477	0.6766	0.8243	0.0224	0.6328	0.6551	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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	1.4300e-003	0.0871	0.0212	4.0000e-004	0.0117	7.3000e-004	0.0124	3.2000e-003	7.0000e-004	3.9000e-003		43.8395	43.8395	1.4500e-003	6.9500e-003	45.9457
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0366	0.1073	0.3319	1.3300e-003	0.1185	1.2600e-003	0.1197	0.0315	1.1900e-003	0.0327		138.5893	138.5893	3.8400e-003	9.2000e-003	141.4252

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2711	0.0000	6.2711	3.0049	0.0000	3.0049			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668		1,666.0573	1,666.0573	0.5388		1,679.5282
Total	1.1339	12.4250	6.6420	0.0172	6.2711	0.5074	6.7785	3.0049	0.4668	3.4717		1,666.0573	1,666.0573	0.5388		1,679.5282

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0178	1.0890	0.2645	5.0200e-003	0.1458	9.1300e-003	0.1549	0.0400	8.7400e-003	0.0487		547.9933	547.9933	0.0181	0.0868	574.3215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566
Total	0.0395	1.1014	0.4557	5.5900e-003	0.2115	9.4600e-003	0.2209	0.0574	9.0400e-003	0.0664		606.3009	606.3009	0.0195	0.0882	633.0781

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2711	0.0000	6.2711	3.0049	0.0000	3.0049			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282
Total	1.1339	12.4250	6.6420	0.0172	6.2711	0.5074	6.7785	3.0049	0.4668	3.4717	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

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	0.0178	1.0890	0.2645	5.0200e-003	0.1458	9.1300e-003	0.1549	0.0400	8.7400e-003	0.0487		547.9933	547.9933	0.0181	0.0868	574.3215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566
Total	0.0395	1.1014	0.4557	5.5900e-003	0.2115	9.4600e-003	0.2209	0.0574	9.0400e-003	0.0664		606.3009	606.3009	0.0195	0.0882	633.0781

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1731	0.0000	7.1731	3.4384	0.0000	3.4384			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
Total	1.3330	14.4676	8.7038	0.0206	7.1731	0.6044	7.7774	3.4384	0.5560	3.9944		1,995.6147	1,995.6147	0.6454		2,011.7503

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2140	13.0679	3.1738	0.0603	1.7490	0.1096	1.8586	0.4794	0.1049	0.5843		6,575.9194	6,575.9194	0.2168	1.0420	6,891.8581
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
Total	0.2411	13.0834	3.4128	0.0610	1.8312	0.1100	1.9412	0.5012	0.1052	0.6064		6,648.8039	6,648.8039	0.2186	1.0437	6,965.3038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1731	0.0000	7.1731	3.4384	0.0000	3.4384			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
Total	1.3330	14.4676	8.7038	0.0206	7.1731	0.6044	7.7774	3.4384	0.5560	3.9944	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

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	0.2140	13.0679	3.1738	0.0603	1.7490	0.1096	1.8586	0.4794	0.1049	0.5843		6,575.9194	6,575.9194	0.2168	1.0420	6,891.8581
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
Total	0.2411	13.0834	3.4128	0.0610	1.8312	0.1100	1.9412	0.5012	0.1052	0.6064		6,648.8039	6,648.8039	0.2186	1.0437	6,965.3038

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7101	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794

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	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7101	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0196	0.7720	0.2466	3.6500e-003	0.1219	4.6700e-003	0.1266	0.0351	4.4700e-003	0.0396		391.4298	391.4298	8.0100e-003	0.0579	408.8741
Worker	0.2840	0.1631	2.5101	7.4800e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		765.2872	765.2872	0.0193	0.0182	771.1801
Total	0.3036	0.9352	2.7566	0.0111	0.9845	8.9500e-003	0.9934	0.2639	8.4100e-003	0.2723		1,156.7170	1,156.7170	0.0273	0.0760	1,180.0542

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

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
Vendor	0.0196	0.7720	0.2466	3.6500e-003	0.1219	4.6700e-003	0.1266	0.0351	4.4700e-003	0.0396		391.4298	391.4298	8.0100e-003	0.0579	408.8741
Worker	0.2840	0.1631	2.5101	7.4800e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		765.2872	765.2872	0.0193	0.0182	771.1801
Total	0.3036	0.9352	2.7566	0.0111	0.9845	8.9500e-003	0.9934	0.2639	8.4100e-003	0.2723		1,156.7170	1,156.7170	0.0273	0.0760	1,180.0542

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0190	0.7724	0.2413	3.5900e-003	0.1219	4.7100e-003	0.1266	0.0351	4.5100e-003	0.0396		385.3249	385.3249	7.9600e-003	0.0570	402.4970
Worker	0.2653	0.1457	2.3394	7.2300e-003	0.8626	4.0700e-003	0.8666	0.2288	3.7500e-003	0.2325		746.2992	746.2992	0.0175	0.0169	751.7790
Total	0.2843	0.9181	2.5807	0.0108	0.9845	8.7800e-003	0.9933	0.2639	8.2600e-003	0.2722		1,131.6241	1,131.6241	0.0254	0.0739	1,154.2760

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

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
Vendor	0.0190	0.7724	0.2413	3.5900e-003	0.1219	4.7100e-003	0.1266	0.0351	4.5100e-003	0.0396		385.3249	385.3249	7.9600e-003	0.0570	402.4970
Worker	0.2653	0.1457	2.3394	7.2300e-003	0.8626	4.0700e-003	0.8666	0.2288	3.7500e-003	0.2325		746.2992	746.2992	0.0175	0.0169	751.7790
Total	0.2843	0.9181	2.5807	0.0108	0.9845	8.7800e-003	0.9933	0.2639	8.2600e-003	0.2722		1,131.6241	1,131.6241	0.0254	0.0739	1,154.2760

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0186	0.7695	0.2370	3.5300e-003	0.1219	4.7100e-003	0.1266	0.0351	4.5100e-003	0.0396		378.4674	378.4674	7.9200e-003	0.0559	395.3295
Worker	0.2492	0.1313	2.1925	6.9900e-003	0.8626	3.9000e-003	0.8665	0.2288	3.5900e-003	0.2324		728.3728	728.3728	0.0158	0.0159	733.4970
Total	0.2678	0.9008	2.4295	0.0105	0.9845	8.6100e-003	0.9931	0.2639	8.1000e-003	0.2720		1,106.8402	1,106.8402	0.0238	0.0718	1,128.8265

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2025

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
Vendor	0.0186	0.7695	0.2370	3.5300e-003	0.1219	4.7100e-003	0.1266	0.0351	4.5100e-003	0.0396		378.4674	378.4674	7.9200e-003	0.0559	395.3295
Worker	0.2492	0.1313	2.1925	6.9900e-003	0.8626	3.9000e-003	0.8665	0.2288	3.5900e-003	0.2324		728.3728	728.3728	0.0158	0.0159	733.4970
Total	0.2678	0.9008	2.4295	0.0105	0.9845	8.6100e-003	0.9931	0.2639	8.1000e-003	0.2720		1,106.8402	1,106.8402	0.0238	0.0718	1,128.8265

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	3.6622	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360
Total	0.0568	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	3.6622	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360
Total	0.0568	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	3.6513	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0531	0.0291	0.4679	1.4500e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		149.2598	149.2598	3.4900e-003	3.3800e-003	150.3558
Total	0.0531	0.0291	0.4679	1.4500e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		149.2598	149.2598	3.4900e-003	3.3800e-003	150.3558

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	3.6513	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0531	0.0291	0.4679	1.4500e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		149.2598	149.2598	3.4900e-003	3.3800e-003	150.3558
Total	0.0531	0.0291	0.4679	1.4500e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		149.2598	149.2598	3.4900e-003	3.3800e-003	150.3558

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	3.6414	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0498	0.0263	0.4385	1.4000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		145.6746	145.6746	3.1700e-003	3.1700e-003	146.6994
Total	0.0498	0.0263	0.4385	1.4000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		145.6746	145.6746	3.1700e-003	3.1700e-003	146.6994

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	3.6414	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0498	0.0263	0.4385	1.4000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		145.6746	145.6746	3.1700e-003	3.1700e-003	146.6994
Total	0.0498	0.0263	0.4385	1.4000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		145.6746	145.6746	3.1700e-003	3.1700e-003	146.6994

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8183	0.7168	6.4459	0.0138	1.5050	9.8600e-003	1.5149	0.4009	9.1900e-003	0.4100		1,443.4517	1,443.4517	0.0870	0.0641	1,464.7269
Unmitigated	0.8584	0.7861	7.1065	0.0156	1.7064	0.0110	1.7174	0.4545	0.0103	0.4647		1,630.0296	1,630.0296	0.0941	0.0702	1,653.3121

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	351.00	351.00	351.00	810,672	715,013
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	351.00	351.00	351.00	810,672	715,013

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
Congregate Care (Assisted Living)	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking with Elevator	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Parking Lot	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864
NaturalGas Unmitigated	0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Congregate Care (Assisted Living)	3100.07	0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

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					
Congregate Care (Assisted Living)	2.61678	0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	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	3.1666	0.9643	11.4884	5.9300e-003		0.1294	0.1294		0.1294	0.1294	0.0000	1,087.3605	1,087.3605	0.0397	0.0196	1,094.1838
Unmitigated	58.5889	1.3556	84.4857	0.1419		10.4753	10.4753		10.4753	10.4753	1,130.0642	520.3605	1,650.4247	1.5657	0.0799	1,713.3695

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	55.5201	1.2274	73.3530	0.1413		10.4135	10.4135		10.4135	10.4135	1,130.0642	500.2941	1,630.3584	1.5464	0.0799	1,692.8223
Landscaping	0.3346	0.1282	11.1326	5.9000e-004		0.0618	0.0618		0.0618	0.0618		20.0664	20.0664	0.0192		20.5473
Total	58.5889	1.3556	84.4857	0.1419		10.4753	10.4753		10.4753	10.4753	1,130.0642	520.3605	1,650.4247	1.5657	0.0799	1,713.3695

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0978	0.8361	0.3558	5.3400e-003		0.0676	0.0676		0.0676	0.0676	0.0000	1,067.2941	1,067.2941	0.0205	0.0196	1,073.6365
Landscaping	0.3346	0.1282	11.1326	5.9000e-004		0.0618	0.0618		0.0618	0.0618		20.0664	20.0664	0.0192		20.5473
Total	3.1666	0.9643	11.4884	5.9300e-003		0.1294	0.1294		0.1294	0.1294	0.0000	1,087.3605	1,087.3605	0.0397	0.0196	1,094.1838

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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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Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.35	13	100	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (100 - 175 HP)	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860
Total	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860

11.0 Vegetation

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Winchester Assisted Living Facility Project

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	49.00	Space	0.00	16,991.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Congregate Care (Assisted Living)	135.00	Dwelling Unit	1.26	107,901.00	386

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Square footage for parking garage and assisted living facility based on applicant provided information. Lot acreage adjusted based on site plan.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire.

Demolition - Based on AQ Questionnaire.

Grading - Based on AQ Questionnaire.

Vehicle Trips - Trip rates based on Transportation Impact Analysis prepared for the project by TJKM.

Mobile Land Use Mitigation - Based on AQ Questionnaire.

Energy Mitigation - Based on AQ Questionnaire.

Water Mitigation - Based on AQ Questionnaire.

Operational Off-Road Equipment -

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Stationary Sources - Emergency Generators and Fire Pumps - Based on AQ Questionnaire.

Stationary Sources - Emergency Generators and Fire Pumps EF -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	440.00
tblConstructionPhase	NumDays	200.00	440.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	2.00	120.00
tblGrading	MaterialExported	0.00	8,000.00
tblGrading	MaterialExported	0.00	8,000.00
tblLandUse	LandUseSquareFeet	19,600.00	16,991.00
tblLandUse	LandUseSquareFeet	135,000.00	107,901.00
tblLandUse	LotAcreage	0.44	0.00
tblLandUse	LotAcreage	8.44	1.26
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	100.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.35
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	13.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	2.93	2.60
tblVehicleTrips	SU_TR	3.15	2.60

2.0 Emissions Summary

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5539	28.3081	17.5620	0.0816	9.0043	0.7145	9.7188	3.9396	0.6614	4.6010	0.0000	8,645.445 3	8,645.445 3	0.8636	1.0450	8,978.455 9
2024	5.4175	13.3156	17.2752	0.0367	1.1570	0.5211	1.6781	0.3097	0.5047	0.8144	0.0000	3,501.472 5	3,501.472 5	0.3810	0.0805	3,534.977 0
2025	5.2929	12.5668	17.0296	0.0364	1.1570	0.4534	1.6104	0.3097	0.4389	0.7485	0.0000	3,474.970 1	3,474.970 1	0.3718	0.0780	3,507.497 1
Maximum	5.5539	28.3081	17.5620	0.0816	9.0043	0.7145	9.7188	3.9396	0.6614	4.6010	0.0000	8,645.445 3	8,645.445 3	0.8636	1.0450	8,978.455 9

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5539	28.3081	17.5620	0.0816	9.0043	0.7145	9.7188	3.9396	0.6614	4.6010	0.0000	8,645.445 3	8,645.445 3	0.8636	1.0450	8,978.455 9
2024	5.4175	13.3156	17.2752	0.0367	1.1570	0.5211	1.6781	0.3097	0.5047	0.8144	0.0000	3,501.472 5	3,501.472 5	0.3810	0.0805	3,534.977 0
2025	5.2929	12.5668	17.0296	0.0364	1.1570	0.4534	1.6104	0.3097	0.4389	0.7485	0.0000	3,474.970 1	3,474.970 1	0.3718	0.0780	3,507.497 1
Maximum	5.5539	28.3081	17.5620	0.0816	9.0043	0.7145	9.7188	3.9396	0.6614	4.6010	0.0000	8,645.445 3	8,645.445 3	0.8636	1.0450	8,978.455 9

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	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

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	58.5889	1.3556	84.4857	0.1419		10.4753	10.4753		10.4753	10.4753	1,130.0642	520.3605	1,650.4247	1.5657	0.0799	1,713.3695
Energy	0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818
Mobile	0.7702	0.9033	7.6355	0.0148	1.7064	0.0110	1.7174	0.4545	0.0103	0.4647		1,539.5585	1,539.5585	0.1066	0.0769	1,565.1408
Stationary	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860
Total	59.4500	2.7052	92.4511	0.1588	1.7064	10.5179	12.2242	0.4545	10.5171	10.9716	1,130.0642	2,454.0165	3,584.0807	1.6833	0.1635	3,674.8782

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Area	3.1666	0.9643	11.4884	5.9300e-003		0.1294	0.1294		0.1294	0.1294	0.0000	1,087.3605	1,087.3605	0.0397	0.0196	1,094.1838
Energy	0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864
Mobile	0.7280	0.8241	6.9961	0.0131	1.5050	9.8700e-003	1.5149	0.4009	9.1900e-003	0.4100		1,363.8354	1,363.8354	0.0994	0.0703	1,387.2668
Stationary	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860
Total	3.9802	2.1901	18.7955	0.0208	1.5050	0.1672	1.6722	0.4009	0.1665	0.5674	0.0000	2,788.4359	2,788.4359	0.1491	0.0955	2,820.6230

	ROG	NOx	CO	SO2	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	93.30	19.04	79.67	86.88	11.80	98.41	86.32	11.80	98.42	94.83	100.00	-13.63	22.20	91.14	41.58	23.25

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	2/10/2023	5	30	
2	Site Preparation	Site Preparation	2/11/2023	7/28/2023	5	120	
3	Grading	Grading	7/29/2023	8/11/2023	5	10	
4	Paving	Paving	8/12/2023	8/15/2023	5	2	

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5	Building Construction	Building Construction	8/16/2023	4/22/2025	5	440
6	Architectural Coating	Architectural Coating	8/30/2023	5/6/2025	5	440

Acres of Grading (Site Preparation Phase): 112.5

Acres of Grading (Grading Phase): 10

Acres of Paving: 0.05

Residential Indoor: 218,500; Residential Outdoor: 72,833; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,139 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	1,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	105.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1477	0.0000	0.1477	0.0224	0.0000	0.0224			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.1477	0.6766	0.8243	0.0224	0.6328	0.6551		2,324.3959	2,324.3959	0.5893		2,339.1278

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3400e-003	0.0921	0.0214	4.0000e-004	0.0117	7.3000e-004	0.0124	3.2000e-003	7.0000e-004	3.9000e-003		43.8808	43.8808	1.4400e-003	6.9500e-003	45.9890
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0374	0.1171	0.3191	1.2600e-003	0.1185	1.2600e-003	0.1197	0.0315	1.1900e-003	0.0327		131.9145	131.9145	4.1600e-003	9.5400e-003	134.8617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1477	0.0000	0.1477	0.0224	0.0000	0.0224			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.1477	0.6766	0.8243	0.0224	0.6328	0.6551	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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	1.3400e-003	0.0921	0.0214	4.0000e-004	0.0117	7.3000e-004	0.0124	3.2000e-003	7.0000e-004	3.9000e-003		43.8808	43.8808	1.4400e-003	6.9500e-003	45.9890
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0374	0.1171	0.3191	1.2600e-003	0.1185	1.2600e-003	0.1197	0.0315	1.1900e-003	0.0327		131.9145	131.9145	4.1600e-003	9.5400e-003	134.8617

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2711	0.0000	6.2711	3.0049	0.0000	3.0049			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668		1,666.0573	1,666.0573	0.5388		1,679.5282
Total	1.1339	12.4250	6.6420	0.0172	6.2711	0.5074	6.7785	3.0049	0.4668	3.4717		1,666.0573	1,666.0573	0.5388		1,679.5282

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0168	1.1518	0.2679	5.0300e-003	0.1458	9.1500e-003	0.1549	0.0400	8.7500e-003	0.0487		548.5094	548.5094	0.0180	0.0869	574.8618
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
Total	0.0389	1.1671	0.4511	5.5600e-003	0.2115	9.4800e-003	0.2209	0.0574	9.0500e-003	0.0664		602.6840	602.6840	0.0197	0.0885	629.5528

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2711	0.0000	6.2711	3.0049	0.0000	3.0049			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282
Total	1.1339	12.4250	6.6420	0.0172	6.2711	0.5074	6.7785	3.0049	0.4668	3.4717	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

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	0.0168	1.1518	0.2679	5.0300e-003	0.1458	9.1500e-003	0.1549	0.0400	8.7500e-003	0.0487		548.5094	548.5094	0.0180	0.0869	574.8618
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
Total	0.0389	1.1671	0.4511	5.5600e-003	0.2115	9.4800e-003	0.2209	0.0574	9.0500e-003	0.0664		602.6840	602.6840	0.0197	0.0885	629.5528

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1731	0.0000	7.1731	3.4384	0.0000	3.4384			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
Total	1.3330	14.4676	8.7038	0.0206	7.1731	0.6044	7.7774	3.4384	0.5560	3.9944		1,995.6147	1,995.6147	0.6454		2,011.7503

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2010	13.8213	3.2147	0.0604	1.7490	0.1098	1.8588	0.4794	0.1050	0.5844		6,582.112 2	6,582.112 2	0.2161	1.0431	6,898.342 0
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
Total	0.2288	13.8405	3.4437	0.0610	1.8312	0.1102	1.9414	0.5012	0.1054	0.6066		6,649.830 5	6,649.830 5	0.2182	1.0450	6,966.705 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1731	0.0000	7.1731	3.4384	0.0000	3.4384			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.614 7	1,995.614 7	0.6454		2,011.750 3
Total	1.3330	14.4676	8.7038	0.0206	7.1731	0.6044	7.7774	3.4384	0.5560	3.9944	0.0000	1,995.614 7	1,995.614 7	0.6454		2,011.750 3

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

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	0.2010	13.8213	3.2147	0.0604	1.7490	0.1098	1.8588	0.4794	0.1050	0.5844		6,582.112 2	6,582.112 2	0.2161	1.0431	6,898.342 0
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
Total	0.2288	13.8405	3.4437	0.0610	1.8312	0.1102	1.9414	0.5012	0.1054	0.6066		6,649.830 5	6,649.830 5	0.2182	1.0450	6,966.705 6

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.688 0	1,297.688 0	0.4114		1,307.972 5
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7101	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.688 0	1,297.688 0	0.4114		1,307.972 5

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728

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	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7101	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0189	0.8170	0.2550	3.6500e-003	0.1219	4.6900e-003	0.1266	0.0351	4.4900e-003	0.0396		391.9897	391.9897	7.9600e-003	0.0580	409.4766
Worker	0.2913	0.2013	2.4040	6.9500e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		711.0422	711.0422	0.0219	0.0209	717.8184
Total	0.3102	1.0183	2.6590	0.0106	0.9845	8.9700e-003	0.9934	0.2639	8.4300e-003	0.2723		1,103.0319	1,103.0319	0.0299	0.0789	1,127.2950

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

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
Vendor	0.0189	0.8170	0.2550	3.6500e-003	0.1219	4.6900e-003	0.1266	0.0351	4.4900e-003	0.0396		391.9897	391.9897	7.9600e-003	0.0580	409.4766
Worker	0.2913	0.2013	2.4040	6.9500e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		711.0422	711.0422	0.0219	0.0209	717.8184
Total	0.3102	1.0183	2.6590	0.0106	0.9845	8.9700e-003	0.9934	0.2639	8.4300e-003	0.2723		1,103.0319	1,103.0319	0.0299	0.0789	1,127.2950

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0183	0.8173	0.2497	3.6000e-003	0.1219	4.7300e-003	0.1266	0.0351	4.5300e-003	0.0396		385.8890	385.8890	7.9100e-003	0.0571	403.1022
Worker	0.2732	0.1797	2.2485	6.7200e-003	0.8626	4.0700e-003	0.8666	0.2288	3.7500e-003	0.2325		693.5117	693.5117	0.0199	0.0195	699.8120
Total	0.2915	0.9970	2.4982	0.0103	0.9845	8.8000e-003	0.9933	0.2639	8.2800e-003	0.2722		1,079.4006	1,079.4006	0.0278	0.0766	1,102.9141

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

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
Vendor	0.0183	0.8173	0.2497	3.6000e-003	0.1219	4.7300e-003	0.1266	0.0351	4.5300e-003	0.0396		385.8890	385.8890	7.9100e-003	0.0571	403.1022
Worker	0.2732	0.1797	2.2485	6.7200e-003	0.8626	4.0700e-003	0.8666	0.2288	3.7500e-003	0.2325		693.5117	693.5117	0.0199	0.0195	699.8120
Total	0.2915	0.9970	2.4982	0.0103	0.9845	8.8000e-003	0.9933	0.2639	8.2800e-003	0.2722		1,079.4006	1,079.4006	0.0278	0.0766	1,102.9141

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.8143	0.2453	3.5300e-003	0.1219	4.7300e-003	0.1267	0.0351	4.5200e-003	0.0396		379.0323	379.0323	7.8700e-003	0.0561	395.9342
Worker	0.2575	0.1619	2.1132	6.5000e-003	0.8626	3.9000e-003	0.8665	0.2288	3.5900e-003	0.2324		676.9478	676.9478	0.0181	0.0183	682.8386
Total	0.2753	0.9761	2.3585	0.0100	0.9845	8.6300e-003	0.9931	0.2639	8.1100e-003	0.2720		1,055.9801	1,055.9801	0.0260	0.0743	1,078.7728

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2025

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
Vendor	0.0179	0.8143	0.2453	3.5300e-003	0.1219	4.7300e-003	0.1267	0.0351	4.5200e-003	0.0396		379.0323	379.0323	7.8700e-003	0.0561	395.9342
Worker	0.2575	0.1619	2.1132	6.5000e-003	0.8626	3.9000e-003	0.8665	0.2288	3.5900e-003	0.2324		676.9478	676.9478	0.0181	0.0183	682.8386
Total	0.2753	0.9761	2.3585	0.0100	0.9845	8.6300e-003	0.9931	0.2639	8.1100e-003	0.2720		1,055.9801	1,055.9801	0.0260	0.0743	1,078.7728

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	3.6622	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637
Total	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	3.6622	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637
Total	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	3.6513	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0546	0.0359	0.4497	1.3400e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		138.7023	138.7023	3.9800e-003	3.8900e-003	139.9624
Total	0.0546	0.0359	0.4497	1.3400e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		138.7023	138.7023	3.9800e-003	3.8900e-003	139.9624

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	3.6513	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0546	0.0359	0.4497	1.3400e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		138.7023	138.7023	3.9800e-003	3.8900e-003	139.9624
Total	0.0546	0.0359	0.4497	1.3400e-003	0.1725	8.1000e-004	0.1733	0.0458	7.5000e-004	0.0465		138.7023	138.7023	3.9800e-003	3.8900e-003	139.9624

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	3.6414	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0515	0.0324	0.4226	1.3000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		135.3896	135.3896	3.6200e-003	3.6500e-003	136.5677
Total	0.0515	0.0324	0.4226	1.3000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		135.3896	135.3896	3.6200e-003	3.6500e-003	136.5677

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	3.6414	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0515	0.0324	0.4226	1.3000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		135.3896	135.3896	3.6200e-003	3.6500e-003	136.5677
Total	0.0515	0.0324	0.4226	1.3000e-003	0.1725	7.8000e-004	0.1733	0.0458	7.2000e-004	0.0465		135.3896	135.3896	3.6200e-003	3.6500e-003	136.5677

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7280	0.8241	6.9961	0.0131	1.5050	9.8700e-003	1.5149	0.4009	9.1900e-003	0.4100		1,363.8354	1,363.8354	0.0994	0.0703	1,387.2668
Unmitigated	0.7702	0.9033	7.6355	0.0148	1.7064	0.0110	1.7174	0.4545	0.0103	0.4647		1,539.5585	1,539.5585	0.1066	0.0769	1,565.1408

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	351.00	351.00	351.00	810,672	715,013
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	351.00	351.00	351.00	810,672	715,013

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
Congregate Care (Assisted Living)	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking with Elevator	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Parking Lot	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864
NaturalGas Unmitigated	0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Congregate Care (Assisted Living)	3100.07	0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0334	0.2857	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231		364.7145	364.7145	6.9900e-003	6.6900e-003	366.8818

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

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						
Congregate Care (Assisted Living)	2.61678	0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195			307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0282	0.2412	0.1026	1.5400e-003		0.0195	0.0195		0.0195	0.0195			307.8570	307.8570	5.9000e-003	5.6400e-003	309.6864

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	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	3.1666	0.9643	11.4884	5.9300e-003		0.1294	0.1294		0.1294	0.1294	0.0000	1,087.3605	1,087.3605	0.0397	0.0196	1,094.1838
Unmitigated	58.5889	1.3556	84.4857	0.1419		10.4753	10.4753		10.4753	10.4753	1,130.0642	520.3605	1,650.4247	1.5657	0.0799	1,713.3695

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	55.5201	1.2274	73.3530	0.1413		10.4135	10.4135		10.4135	10.4135	1,130.0642	500.2941	1,630.3584	1.5464	0.0799	1,692.8223
Landscaping	0.3346	0.1282	11.1326	5.9000e-004		0.0618	0.0618		0.0618	0.0618		20.0664	20.0664	0.0192		20.5473
Total	58.5889	1.3556	84.4857	0.1419		10.4753	10.4753		10.4753	10.4753	1,130.0642	520.3605	1,650.4247	1.5657	0.0799	1,713.3695

Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0978	0.8361	0.3558	5.3400e-003		0.0676	0.0676		0.0676	0.0676	0.0000	1,067.2941	1,067.2941	0.0205	0.0196	1,073.6365
Landscaping	0.3346	0.1282	11.1326	5.9000e-004		0.0618	0.0618		0.0618	0.0618		20.0664	20.0664	0.0192		20.5473
Total	3.1666	0.9643	11.4884	5.9300e-003		0.1294	0.1294		0.1294	0.1294	0.0000	1,087.3605	1,087.3605	0.0397	0.0196	1,094.1838

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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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Winchester Assisted Living Facility Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.35	13	100	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (100 - 175 HP)	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860
Total	0.0574	0.1605	0.2084	2.8000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003		29.3830	29.3830	4.1200e-003		29.4860

11.0 Vegetation

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	1	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	2	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	1	No Change	0.00
Rollers	Diesel	No Change	0	1	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	3	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	8	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	3.98000E-002	2.68540E-001	3.98230E-001	6.50000E-004	1.34100E-002	1.34100E-002	0.00000E+000	5.61716E+001	5.61716E+001	3.18000E-003	0.00000E+000	5.62511E+001
Cement and Mortar Mixers	4.00000E-005	2.80000E-004	2.30000E-004	0.00000E+000	1.00000E-005	1.00000E-005	0.00000E+000	3.43700E-002	3.43700E-002	0.00000E+000	0.00000E+000	3.44600E-002
Concrete/Industrial Saws	5.01000E-003	3.87600E-002	5.48600E-002	9.00000E-005	1.92000E-003	1.92000E-003	0.00000E+000	8.06486E+000	8.06486E+000	4.00000E-004	0.00000E+000	8.07479E+000
Cranes	5.48900E-002	5.79550E-001	2.93870E-001	9.50000E-004	2.42200E-002	2.22800E-002	0.00000E+000	8.36463E+001	8.36463E+001	2.70500E-002	0.00000E+000	8.43226E+001
Forklifts	1.56300E-002	1.46630E-001	1.88020E-001	2.50000E-004	8.51000E-003	7.83000E-003	0.00000E+000	2.21581E+001	2.21581E+001	7.17000E-003	0.00000E+000	2.23372E+001
Generator Sets	6.29800E-002	5.62220E-001	8.06150E-001	1.45000E-003	2.46100E-002	2.46100E-002	0.00000E+000	1.24346E+002	1.24346E+002	5.05000E-003	0.00000E+000	1.24472E+002
Graders	2.49200E-002	3.02450E-001	1.10020E-001	4.30000E-004	9.80000E-003	9.02000E-003	0.00000E+000	3.77893E+001	3.77893E+001	1.22200E-002	0.00000E+000	3.80949E+001
Pavers	1.40000E-004	1.41000E-003	2.16000E-003	0.00000E+000	7.00000E-005	6.00000E-005	0.00000E+000	3.09720E-001	3.09720E-001	1.00000E-004	0.00000E+000	3.12230E-001
Paving Equipment	1.70000E-004	1.60000E-003	2.56000E-003	0.00000E+000	8.00000E-005	7.00000E-005	0.00000E+000	3.57850E-001	3.57850E-001	1.20000E-004	0.00000E+000	3.60750E-001
Rollers	1.30000E-004	1.41000E-003	1.62000E-003	0.00000E+000	8.00000E-005	7.00000E-005	0.00000E+000	2.01710E-001	2.01710E-001	7.00000E-005	0.00000E+000	2.03340E-001
Rubber Tired Dozers	4.96400E-002	5.16720E-001	2.25210E-001	6.20000E-004	2.32700E-002	2.14100E-002	0.00000E+000	5.43926E+001	5.43926E+001	1.75900E-002	0.00000E+000	5.48324E+001
Tractors/Loaders/Backhoes	4.10400E-002	4.15000E-001	6.24580E-001	8.70000E-004	1.96400E-002	1.80700E-002	0.00000E+000	7.65656E+001	7.65656E+001	2.47600E-002	0.00000E+000	7.71846E+001
Welders	1.56470E-001	9.12500E-001	1.09869E+000	1.69000E-003	3.16600E-002	3.16600E-002	0.00000E+000	1.24226E+002	1.24226E+002	1.27100E-002	0.00000E+000	1.24543E+002

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	3.98000E-002	2.68540E-001	3.98230E-001	6.50000E-004	1.34100E-002	1.34100E-002	0.00000E+000	5.61715E+001	5.61715E+001	3.18000E-003	0.00000E+000	5.62511E+001
Cement and Mortar Mixers	4.00000E-005	2.80000E-004	2.30000E-004	0.00000E+000	1.00000E-005	1.00000E-005	0.00000E+000	3.43700E-002	3.43700E-002	0.00000E+000	0.00000E+000	3.44600E-002
Concrete/Industrial Saws	5.01000E-003	3.87600E-002	5.48600E-002	9.00000E-005	1.92000E-003	1.92000E-003	0.00000E+000	8.06485E+000	8.06485E+000	4.00000E-004	0.00000E+000	8.07478E+000
Cranes	5.48900E-002	5.79550E-001	2.93870E-001	9.50000E-004	2.42200E-002	2.22800E-002	0.00000E+000	8.36462E+001	8.36462E+001	2.70500E-002	0.00000E+000	8.43225E+001
Forklifts	1.56300E-002	1.46630E-001	1.88020E-001	2.50000E-004	8.51000E-003	7.83000E-003	0.00000E+000	2.21580E+001	2.21580E+001	7.17000E-003	0.00000E+000	2.23372E+001
Generator Sets	6.29800E-002	5.62220E-001	8.06150E-001	1.45000E-003	2.46100E-002	2.46100E-002	0.00000E+000	1.24345E+002	1.24345E+002	5.05000E-003	0.00000E+000	1.24472E+002
Graders	2.49200E-002	3.02450E-001	1.10020E-001	4.30000E-004	9.80000E-003	9.02000E-003	0.00000E+000	3.77893E+001	3.77893E+001	1.22200E-002	0.00000E+000	3.80948E+001
Pavers	1.40000E-004	1.41000E-003	2.16000E-003	0.00000E+000	7.00000E-005	6.00000E-005	0.00000E+000	3.09720E-001	3.09720E-001	1.00000E-004	0.00000E+000	3.12230E-001
Paving Equipment	1.70000E-004	1.60000E-003	2.56000E-003	0.00000E+000	8.00000E-005	7.00000E-005	0.00000E+000	3.57850E-001	3.57850E-001	1.20000E-004	0.00000E+000	3.60750E-001
Rollers	1.30000E-004	1.41000E-003	1.62000E-003	0.00000E+000	8.00000E-005	7.00000E-005	0.00000E+000	2.01710E-001	2.01710E-001	7.00000E-005	0.00000E+000	2.03340E-001
Rubber Tired Dozers	4.96400E-002	5.16720E-001	2.25210E-001	6.20000E-004	2.32700E-002	2.14100E-002	0.00000E+000	5.43925E+001	5.43925E+001	1.75900E-002	0.00000E+000	5.48323E+001
Tractors/Loaders/Backhoes	4.10400E-002	4.15000E-001	6.24580E-001	8.70000E-004	1.96400E-002	1.80700E-002	0.00000E+000	7.65655E+001	7.65655E+001	2.47600E-002	0.00000E+000	7.71846E+001
Welders	1.56470E-001	9.12500E-001	1.09868E+000	1.69000E-003	3.16600E-002	3.16600E-002	0.00000E+000	1.24225E+002	1.24225E+002	1.27100E-002	0.00000E+000	1.24543E+002

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.06816E-006	1.06816E-006	0.00000E+000	0.00000E+000	1.24442E-006
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23842E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19551E-006	1.19551E-006	0.00000E+000	0.00000E+000	1.18592E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.35391E-006	1.35391E-006	0.00000E+000	0.00000E+000	1.34305E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20631E-006	1.20631E-006	0.00000E+000	0.00000E+000	1.20509E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.05850E-006	1.05850E-006	0.00000E+000	0.00000E+000	1.31251E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28694E-006	1.28694E-006	0.00000E+000	0.00000E+000	1.27662E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17546E-006	1.17546E-006	0.00000E+000	0.00000E+000	1.16604E-006
Welders	0.00000E+000	0.00000E+000	9.10175E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20748E-006	1.20748E-006	0.00000E+000	0.00000E+000	1.20440E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
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Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.04	0.01	0.04	0.01	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.21	0.06	0.21	0.06	0.00	0.00
Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.04	0.02	0.04	0.02	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.38	0.18	0.38	0.18	0.00	0.00
Site Preparation	Roads	0.01	0.00	0.01	0.00	0.00	0.00

Operational Percent Reduction Summary

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.83	35.01	99.54	96.47	99.38	99.38	100.00	-113.33	37.89	98.99	75.00	40.06
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	5.33	8.80	8.66	11.48	10.50	10.22	0.00	11.42	11.42	6.98	8.60	11.38
Natural Gas	15.57	15.59	15.59	15.15	15.64	15.64	0.00	15.59	15.59	15.52	16.22	15.59
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	45.00	39.21	41.00	44.98	44.85	43.01
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.03	0.21		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
Yes	Land Use	Increase Transit Accessibility	0.21	0.10		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.10			

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02		
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00	
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00	
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00	
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00	0.00	
No	Transit Improvements	Expand Transit Network	0.00	0.00	
No	Transit Improvements	Increase Transit Frequency	0.00		0.00
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.12		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	4.50		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Commute	Provide Ride Sharing Program	10.00		
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.12		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	25.00	

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	55,000.00	0.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	45.00	25.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Winchester Assisted Living Facility Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	