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## **APPENDIX D**

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The Ridge Project - Placer County APCD Air District, Annual

**The Ridge Project**  
**Placer County APCD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.90	Acre	1.90	82,764.00	0
Other Non-Asphalt Surfaces	1,133.70	1000sqft	26.03	1,133,700.00	0
Single Family Housing	34.00	Dwelling Unit	21.92	61,200.00	97

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	74
<b>Climate Zone</b>	2			<b>Operational Year</b>	2026
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	222.25	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics - CO2 intensity factor adjusted per PG&E's RPS projections.

Land Use - Lot acreage adjusted per site plan.

Construction Phase - Construction phase timing based on applicant-provided questionnaire.

Vehicle Trips - Trip generation rates adjusted to be consistent with project-specific traffic study prepared by F&P.

Area Mitigation -

Energy Mitigation - Title 24 exceedance used to reflect compliance with 2019 CBSC.

Water Mitigation - Water conservation strategy applied to reflect compliance with 2019 CalGreen Code and MWEL0.

Grading -

Land Use Change -

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Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	55.00	370.00
tblConstructionPhase	NumDays	740.00	370.00
tblConstructionPhase	NumDays	75.00	45.00
tblConstructionPhase	NumDays	55.00	21.00
tblConstructionPhase	PhaseEndDate	4/28/2028	6/29/2026
tblConstructionPhase	PhaseEndDate	11/26/2027	6/15/2026
tblConstructionPhase	PhaseEndDate	1/24/2025	12/13/2024
tblConstructionPhase	PhaseEndDate	2/11/2028	1/13/2025
tblConstructionPhase	PhaseStartDate	2/12/2028	1/28/2025
tblConstructionPhase	PhaseStartDate	1/25/2025	1/14/2025
tblConstructionPhase	PhaseStartDate	11/27/2027	12/14/2024
tblLandUse	LotAcreage	11.04	21.92
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

## 2.0 Emissions Summary

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**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					
2024	0.1218	1.1946	1.0016	2.1600e-003	0.4725	0.0513	0.5238	0.2316	0.0472	0.2788	0.0000	189.5863	189.5863	0.0599	0.0000	191.0833
2025	0.8105	3.9979	4.0652	0.0158	0.7848	0.0805	0.8653	0.2128	0.0760	0.2888	0.0000	1,445.2103	1,445.2103	0.1023	0.0000	1,447.7685
2026	0.3968	1.8476	1.8503	7.3200e-003	0.3733	0.0371	0.4104	0.1012	0.0351	0.1363	0.0000	669.0382	669.0382	0.0461	0.0000	670.1907
<b>Maximum</b>	<b>0.8105</b>	<b>3.9979</b>	<b>4.0652</b>	<b>0.0158</b>	<b>0.7848</b>	<b>0.0805</b>	<b>0.8653</b>	<b>0.2316</b>	<b>0.0760</b>	<b>0.2888</b>	<b>0.0000</b>	<b>1,445.2103</b>	<b>1,445.2103</b>	<b>0.1023</b>	<b>0.0000</b>	<b>1,447.7685</b>

**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					
2024	0.1218	1.1946	1.0016	2.1600e-003	0.4725	0.0513	0.5238	0.2316	0.0472	0.2788	0.0000	189.5861	189.5861	0.0599	0.0000	191.0831
2025	0.8105	3.9979	4.0652	0.0158	0.7848	0.0805	0.8653	0.2128	0.0760	0.2888	0.0000	1,445.2099	1,445.2099	0.1023	0.0000	1,447.7681
2026	0.3968	1.8476	1.8503	7.3200e-003	0.3733	0.0371	0.4104	0.1012	0.0351	0.1363	0.0000	669.0380	669.0380	0.0461	0.0000	670.1905
<b>Maximum</b>	<b>0.8105</b>	<b>3.9979</b>	<b>4.0652</b>	<b>0.0158</b>	<b>0.7848</b>	<b>0.0805</b>	<b>0.8653</b>	<b>0.2316</b>	<b>0.0760</b>	<b>0.2888</b>	<b>0.0000</b>	<b>1,445.2099</b>	<b>1,445.2099</b>	<b>0.1023</b>	<b>0.0000</b>	<b>1,447.7681</b>

The Ridge Project - Placer County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	9-1-2024	11-30-2024	1.0754	1.0754
2	12-1-2024	2-28-2025	0.8837	0.8837
3	3-1-2025	5-31-2025	1.2485	1.2485
4	6-1-2025	8-31-2025	1.2459	1.2459
5	9-1-2025	11-30-2025	1.2374	1.2374
6	12-1-2025	2-28-2026	1.2185	1.2185
7	3-1-2026	5-31-2026	1.2367	1.2367
8	6-1-2026	8-31-2026	0.2248	0.2248
		Highest	1.2485	1.2485

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**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	2.5148	0.0447	2.8960	4.7900e-003		0.3707	0.3707		0.3707	0.3707	35.1206	15.1617	50.2823	0.0329	2.7600e-003	51.9270
Energy	4.7400e-003	0.0405	0.0172	2.6000e-004		3.2700e-003	3.2700e-003		3.2700e-003	3.2700e-003	0.0000	75.8153	75.8153	4.6700e-003	1.6400e-003	76.4211
Mobile	0.0735	0.5304	0.8566	4.0200e-003	0.3418	2.7300e-003	0.3445	0.0919	2.5500e-003	0.0945	0.0000	370.5599	370.5599	0.0112	0.0000	370.8389
Waste						0.0000	0.0000		0.0000	0.0000	7.0884	0.0000	7.0884	0.4189	0.0000	17.5613
Water						0.0000	0.0000		0.0000	0.0000	0.7028	1.7012	2.4039	0.0724	1.7500e-003	4.7357
<b>Total</b>	<b>2.5930</b>	<b>0.6155</b>	<b>3.7699</b>	<b>9.0700e-003</b>	<b>0.3418</b>	<b>0.3767</b>	<b>0.7184</b>	<b>0.0919</b>	<b>0.3765</b>	<b>0.4684</b>	<b>42.9118</b>	<b>463.2381</b>	<b>506.1499</b>	<b>0.5400</b>	<b>6.1500e-003</b>	<b>521.4840</b>

The Ridge Project - Placer County APCD Air District, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4969	0.0447	2.8960	4.7900e-003		0.3707	0.3707		0.3707	0.3707	35.1206	15.1617	50.2823	0.0329	2.7600e-003	51.9270
Energy	4.4400e-003	0.0379	0.0161	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	43.9338	43.9338	8.4000e-004	8.1000e-004	44.1949
Mobile	0.0735	0.5304	0.8566	4.0200e-003	0.3418	2.7300e-003	0.3445	0.0919	2.5500e-003	0.0945	0.0000	370.5599	370.5599	0.0112	0.0000	370.8389
Waste						0.0000	0.0000		0.0000	0.0000	7.0884	0.0000	7.0884	0.4189	0.0000	17.5613
Water						0.0000	0.0000		0.0000	0.0000	0.5622	1.3609	1.9232	0.0579	1.4000e-003	3.7885
<b>Total</b>	<b>2.5748</b>	<b>0.6130</b>	<b>3.7688</b>	<b>9.0500e-003</b>	<b>0.3418</b>	<b>0.3765</b>	<b>0.7182</b>	<b>0.0919</b>	<b>0.3763</b>	<b>0.4682</b>	<b>42.7712</b>	<b>431.0164</b>	<b>473.7876</b>	<b>0.5217</b>	<b>4.9700e-003</b>	<b>488.3106</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.70</b>	<b>0.41</b>	<b>0.03</b>	<b>0.22</b>	<b>0.00</b>	<b>0.05</b>	<b>0.03</b>	<b>0.00</b>	<b>0.05</b>	<b>0.04</b>	<b>0.33</b>	<b>6.96</b>	<b>6.39</b>	<b>3.39</b>	<b>19.19</b>	<b>6.36</b>

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**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-888.0000
<b>Total</b>	<b>-888.0000</b>

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/1/2024	10/11/2024	5	30	
2	Grading	Grading	10/12/2024	12/13/2024	5	45	
3	Building Construction	Building Construction	1/14/2025	6/15/2026	5	370	
4	Paving	Paving	12/14/2024	1/13/2025	5	21	
5	Architectural Coating	Architectural Coating	1/28/2025	6/29/2026	5	370	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 112.5**

**Acres of Paving: 27.93**

The Ridge Project - Placer County APCD Air District, Annual

**Residential Indoor: 123,930; Residential Outdoor: 41,310; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 72,988 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	523.00	203.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	105.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4076	0.2750	5.7000e-004		0.0184	0.0184		0.0170	0.0170	0.0000	50.1856	50.1856	0.0162	0.0000	50.5914
<b>Total</b>	<b>0.0399</b>	<b>0.4076</b>	<b>0.2750</b>	<b>5.7000e-004</b>	<b>0.2710</b>	<b>0.0184</b>	<b>0.2894</b>	<b>0.1490</b>	<b>0.0170</b>	<b>0.1659</b>	<b>0.0000</b>	<b>50.1856</b>	<b>50.1856</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.5914</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.2 Site Preparation - 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	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	7.2000e-004	4.3000e-004	5.0300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.5720	1.5720	3.0000e-005	0.0000	1.5727
<b>Total</b>	<b>7.2000e-004</b>	<b>4.3000e-004</b>	<b>5.0300e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.5720</b>	<b>1.5720</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.5727</b>

**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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4076	0.2750	5.7000e-004		0.0184	0.0184		0.0170	0.0170	0.0000	50.1855	50.1855	0.0162	0.0000	50.5913
<b>Total</b>	<b>0.0399</b>	<b>0.4076</b>	<b>0.2750</b>	<b>5.7000e-004</b>	<b>0.2710</b>	<b>0.0184</b>	<b>0.2894</b>	<b>0.1490</b>	<b>0.0170</b>	<b>0.1659</b>	<b>0.0000</b>	<b>50.1855</b>	<b>50.1855</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.5913</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.2 Site Preparation - 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	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	7.2000e-004	4.3000e-004	5.0300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.5720	1.5720	3.0000e-005	0.0000	1.5727
<b>Total</b>	<b>7.2000e-004</b>	<b>4.3000e-004</b>	<b>5.0300e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.5720</b>	<b>1.5720</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.5727</b>

**3.3 Grading - 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					
Fugitive Dust					0.1952	0.0000	0.1952	0.0809	0.0000	0.0809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0724	0.7285	0.6238	1.4000e-003		0.0301	0.0301		0.0276	0.0276	0.0000	122.6689	122.6689	0.0397	0.0000	123.6608
<b>Total</b>	<b>0.0724</b>	<b>0.7285</b>	<b>0.6238</b>	<b>1.4000e-003</b>	<b>0.1952</b>	<b>0.0301</b>	<b>0.2252</b>	<b>0.0809</b>	<b>0.0276</b>	<b>0.1086</b>	<b>0.0000</b>	<b>122.6689</b>	<b>122.6689</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6608</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.3 Grading - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	7.2000e-004	8.3800e-003	3.0000e-005	3.5300e-003	2.0000e-005	3.5600e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.6199	2.6199	5.0000e-005	0.0000	2.6212
<b>Total</b>	<b>1.2000e-003</b>	<b>7.2000e-004</b>	<b>8.3800e-003</b>	<b>3.0000e-005</b>	<b>3.5300e-003</b>	<b>2.0000e-005</b>	<b>3.5600e-003</b>	<b>9.4000e-004</b>	<b>2.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.6199</b>	<b>2.6199</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>2.6212</b>

**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					0.1952	0.0000	0.1952	0.0809	0.0000	0.0809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0724	0.7285	0.6238	1.4000e-003		0.0301	0.0301		0.0276	0.0276	0.0000	122.6688	122.6688	0.0397	0.0000	123.6606
<b>Total</b>	<b>0.0724</b>	<b>0.7285</b>	<b>0.6238</b>	<b>1.4000e-003</b>	<b>0.1952</b>	<b>0.0301</b>	<b>0.2252</b>	<b>0.0809</b>	<b>0.0276</b>	<b>0.1086</b>	<b>0.0000</b>	<b>122.6688</b>	<b>122.6688</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6606</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.3 Grading - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	7.2000e-004	8.3800e-003	3.0000e-005	3.5300e-003	2.0000e-005	3.5600e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.6199	2.6199	5.0000e-005	0.0000	2.6212
<b>Total</b>	<b>1.2000e-003</b>	<b>7.2000e-004</b>	<b>8.3800e-003</b>	<b>3.0000e-005</b>	<b>3.5300e-003</b>	<b>2.0000e-005</b>	<b>3.5600e-003</b>	<b>9.4000e-004</b>	<b>2.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.6199</b>	<b>2.6199</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>2.6212</b>

**3.4 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	0.1723	1.5712	2.0267	3.4000e-003		0.0665	0.0665		0.0625	0.0625	0.0000	292.2185	292.2185	0.0687	0.0000	293.9358
<b>Total</b>	<b>0.1723</b>	<b>1.5712</b>	<b>2.0267</b>	<b>3.4000e-003</b>		<b>0.0665</b>	<b>0.0665</b>		<b>0.0625</b>	<b>0.0625</b>	<b>0.0000</b>	<b>292.2185</b>	<b>292.2185</b>	<b>0.0687</b>	<b>0.0000</b>	<b>293.9358</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.4 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	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	0.0526	2.1356	0.3938	7.0900e-003	0.1670	2.2300e-003	0.1692	0.0483	2.1300e-003	0.0505	0.0000	673.5201	673.5201	0.0213	0.0000	674.0535
Worker	0.1664	0.0954	1.1394	4.0700e-003	0.5175	3.0900e-003	0.5206	0.1377	2.8400e-003	0.1406	0.0000	368.2027	368.2027	6.4500e-003	0.0000	368.3640
<b>Total</b>	<b>0.2190</b>	<b>2.2310</b>	<b>1.5332</b>	<b>0.0112</b>	<b>0.6845</b>	<b>5.3200e-003</b>	<b>0.6898</b>	<b>0.1861</b>	<b>4.9700e-003</b>	<b>0.1910</b>	<b>0.0000</b>	<b>1,041.7229</b>	<b>1,041.7229</b>	<b>0.0278</b>	<b>0.0000</b>	<b>1,042.4176</b>

**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	0.1723	1.5712	2.0267	3.4000e-003		0.0665	0.0665		0.0625	0.0625	0.0000	292.2182	292.2182	0.0687	0.0000	293.9355
<b>Total</b>	<b>0.1723</b>	<b>1.5712</b>	<b>2.0267</b>	<b>3.4000e-003</b>		<b>0.0665</b>	<b>0.0665</b>		<b>0.0625</b>	<b>0.0625</b>	<b>0.0000</b>	<b>292.2182</b>	<b>292.2182</b>	<b>0.0687</b>	<b>0.0000</b>	<b>293.9355</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.4 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	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	0.0526	2.1356	0.3938	7.0900e-003	0.1670	2.2300e-003	0.1692	0.0483	2.1300e-003	0.0505	0.0000	673.5201	673.5201	0.0213	0.0000	674.0535
Worker	0.1664	0.0954	1.1394	4.0700e-003	0.5175	3.0900e-003	0.5206	0.1377	2.8400e-003	0.1406	0.0000	368.2027	368.2027	6.4500e-003	0.0000	368.3640
<b>Total</b>	<b>0.2190</b>	<b>2.2310</b>	<b>1.5332</b>	<b>0.0112</b>	<b>0.6845</b>	<b>5.3200e-003</b>	<b>0.6898</b>	<b>0.1861</b>	<b>4.9700e-003</b>	<b>0.1910</b>	<b>0.0000</b>	<b>1,041.7229</b>	<b>1,041.7229</b>	<b>0.0278</b>	<b>0.0000</b>	<b>1,042.4176</b>

**3.4 Building Construction - 2026**

**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	0.0807	0.7357	0.9490	1.5900e-003		0.0311	0.0311		0.0293	0.0293	0.0000	136.8325	136.8325	0.0322	0.0000	137.6366
<b>Total</b>	<b>0.0807</b>	<b>0.7357</b>	<b>0.9490</b>	<b>1.5900e-003</b>		<b>0.0311</b>	<b>0.0311</b>		<b>0.0293</b>	<b>0.0293</b>	<b>0.0000</b>	<b>136.8325</b>	<b>136.8325</b>	<b>0.0322</b>	<b>0.0000</b>	<b>137.6366</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.4 Building Construction - 2026**

**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	0.0240	0.9887	0.1789	3.3000e-003	0.0782	1.0100e-003	0.0792	0.0226	9.7000e-004	0.0236	0.0000	313.6150	313.6150	9.6900e-003	0.0000	313.8573
Worker	0.0740	0.0409	0.4981	1.8400e-003	0.2423	1.4000e-003	0.2437	0.0645	1.2900e-003	0.0658	0.0000	166.0810	166.0810	2.7500e-003	0.0000	166.1498
<b>Total</b>	<b>0.0981</b>	<b>1.0296</b>	<b>0.6770</b>	<b>5.1400e-003</b>	<b>0.3205</b>	<b>2.4100e-003</b>	<b>0.3229</b>	<b>0.0871</b>	<b>2.2600e-003</b>	<b>0.0894</b>	<b>0.0000</b>	<b>479.6960</b>	<b>479.6960</b>	<b>0.0124</b>	<b>0.0000</b>	<b>480.0071</b>

**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	0.0807	0.7357	0.9490	1.5900e-003		0.0311	0.0311		0.0293	0.0293	0.0000	136.8323	136.8323	0.0322	0.0000	137.6364
<b>Total</b>	<b>0.0807</b>	<b>0.7357</b>	<b>0.9490</b>	<b>1.5900e-003</b>		<b>0.0311</b>	<b>0.0311</b>		<b>0.0293</b>	<b>0.0293</b>	<b>0.0000</b>	<b>136.8323</b>	<b>136.8323</b>	<b>0.0322</b>	<b>0.0000</b>	<b>137.6364</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.4 Building Construction - 2026**

**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	0.0240	0.9887	0.1789	3.3000e-003	0.0782	1.0100e-003	0.0792	0.0226	9.7000e-004	0.0236	0.0000	313.6150	313.6150	9.6900e-003	0.0000	313.8573
Worker	0.0740	0.0409	0.4981	1.8400e-003	0.2423	1.4000e-003	0.2437	0.0645	1.2900e-003	0.0658	0.0000	166.0810	166.0810	2.7500e-003	0.0000	166.1498
<b>Total</b>	<b>0.0981</b>	<b>1.0296</b>	<b>0.6770</b>	<b>5.1400e-003</b>	<b>0.3205</b>	<b>2.4100e-003</b>	<b>0.3229</b>	<b>0.0871</b>	<b>2.2600e-003</b>	<b>0.0894</b>	<b>0.0000</b>	<b>479.6960</b>	<b>479.6960</b>	<b>0.0124</b>	<b>0.0000</b>	<b>480.0071</b>

**3.5 Paving - 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	5.9300e-003	0.0572	0.0878	1.4000e-004		2.8100e-003	2.8100e-003		2.5900e-003	2.5900e-003	0.0000	12.0159	12.0159	3.8900e-003	0.0000	12.1131
Paving	1.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.3500e-003</b>	<b>0.0572</b>	<b>0.0878</b>	<b>1.4000e-004</b>		<b>2.8100e-003</b>	<b>2.8100e-003</b>		<b>2.5900e-003</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>12.0159</b>	<b>12.0159</b>	<b>3.8900e-003</b>	<b>0.0000</b>	<b>12.1131</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.5 Paving - 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	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	2.4000e-004	1.4000e-004	1.6800e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5240	0.5240	1.0000e-005	0.0000	0.5242
<b>Total</b>	<b>2.4000e-004</b>	<b>1.4000e-004</b>	<b>1.6800e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.5240</b>	<b>0.5240</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5242</b>

**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	5.9300e-003	0.0572	0.0878	1.4000e-004		2.8100e-003	2.8100e-003		2.5900e-003	2.5900e-003	0.0000	12.0159	12.0159	3.8900e-003	0.0000	12.1131
Paving	1.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.3500e-003</b>	<b>0.0572</b>	<b>0.0878</b>	<b>1.4000e-004</b>		<b>2.8100e-003</b>	<b>2.8100e-003</b>		<b>2.5900e-003</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>12.0159</b>	<b>12.0159</b>	<b>3.8900e-003</b>	<b>0.0000</b>	<b>12.1131</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.5 Paving - 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	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	2.4000e-004	1.4000e-004	1.6800e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5240	0.5240	1.0000e-005	0.0000	0.5242
<b>Total</b>	<b>2.4000e-004</b>	<b>1.4000e-004</b>	<b>1.6800e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.5240</b>	<b>0.5240</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5242</b>

**3.5 Paving - 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	4.1200e-003	0.0386	0.0656	1.0000e-004		1.8800e-003	1.8800e-003		1.7300e-003	1.7300e-003	0.0000	9.0087	9.0087	2.9100e-003	0.0000	9.0815
Paving	1.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.1900e-003</b>	<b>0.0386</b>	<b>0.0656</b>	<b>1.0000e-004</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>9.0087</b>	<b>9.0087</b>	<b>2.9100e-003</b>	<b>0.0000</b>	<b>9.0815</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.5 Paving - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.0000e-004	1.1700e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3772	0.3772	1.0000e-005	0.0000	0.3773
<b>Total</b>	<b>1.7000e-004</b>	<b>1.0000e-004</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3772</b>	<b>0.3772</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3773</b>

**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	4.1200e-003	0.0386	0.0656	1.0000e-004		1.8800e-003	1.8800e-003		1.7300e-003	1.7300e-003	0.0000	9.0087	9.0087	2.9100e-003	0.0000	9.0815
Paving	1.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.1900e-003</b>	<b>0.0386</b>	<b>0.0656</b>	<b>1.0000e-004</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>9.0087</b>	<b>9.0087</b>	<b>2.9100e-003</b>	<b>0.0000</b>	<b>9.0815</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.5 Paving - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.0000e-004	1.1700e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3772	0.3772	1.0000e-005	0.0000	0.3773
<b>Total</b>	<b>1.7000e-004</b>	<b>1.0000e-004</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3772</b>	<b>0.3772</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3773</b>

**3.6 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	0.3611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1386	0.2189	3.6000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	30.8944	30.8944	1.6900e-003	0.0000	30.9365
<b>Total</b>	<b>0.3818</b>	<b>0.1386</b>	<b>0.2189</b>	<b>3.6000e-004</b>		<b>6.2300e-003</b>	<b>6.2300e-003</b>		<b>6.2300e-003</b>	<b>6.2300e-003</b>	<b>0.0000</b>	<b>30.8944</b>	<b>30.8944</b>	<b>1.6900e-003</b>	<b>0.0000</b>	<b>30.9365</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.6 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0184	0.2197	7.8000e-004	0.0998	6.0000e-004	0.1004	0.0266	5.5000e-004	0.0271	0.0000	70.9887	70.9887	1.2400e-003	0.0000	71.0198
<b>Total</b>	<b>0.0321</b>	<b>0.0184</b>	<b>0.2197</b>	<b>7.8000e-004</b>	<b>0.0998</b>	<b>6.0000e-004</b>	<b>0.1004</b>	<b>0.0266</b>	<b>5.5000e-004</b>	<b>0.0271</b>	<b>0.0000</b>	<b>70.9887</b>	<b>70.9887</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>71.0198</b>

**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	0.3611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1386	0.2189	3.6000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	30.8943	30.8943	1.6900e-003	0.0000	30.9365
<b>Total</b>	<b>0.3818</b>	<b>0.1386</b>	<b>0.2189</b>	<b>3.6000e-004</b>		<b>6.2300e-003</b>	<b>6.2300e-003</b>		<b>6.2300e-003</b>	<b>6.2300e-003</b>	<b>0.0000</b>	<b>30.8943</b>	<b>30.8943</b>	<b>1.6900e-003</b>	<b>0.0000</b>	<b>30.9365</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.6 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0184	0.2197	7.8000e-004	0.0998	6.0000e-004	0.1004	0.0266	5.5000e-004	0.0271	0.0000	70.9887	70.9887	1.2400e-003	0.0000	71.0198
<b>Total</b>	<b>0.0321</b>	<b>0.0184</b>	<b>0.2197</b>	<b>7.8000e-004</b>	<b>0.0998</b>	<b>6.0000e-004</b>	<b>0.1004</b>	<b>0.0266</b>	<b>5.5000e-004</b>	<b>0.0271</b>	<b>0.0000</b>	<b>70.9887</b>	<b>70.9887</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>71.0198</b>

**3.6 Architectural Coating - 2026**

**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	0.1910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0733	0.1158	1.9000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	16.3408	16.3408	8.9000e-004	0.0000	16.3631
<b>Total</b>	<b>0.2019</b>	<b>0.0733</b>	<b>0.1158</b>	<b>1.9000e-004</b>		<b>3.3000e-003</b>	<b>3.3000e-003</b>		<b>3.3000e-003</b>	<b>3.3000e-003</b>	<b>0.0000</b>	<b>16.3408</b>	<b>16.3408</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>16.3631</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2026**

**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	0.0161	8.9100e-003	0.1085	4.0000e-004	0.0528	3.1000e-004	0.0531	0.0141	2.8000e-004	0.0143	0.0000	36.1689	36.1689	6.0000e-004	0.0000	36.1839
<b>Total</b>	<b>0.0161</b>	<b>8.9100e-003</b>	<b>0.1085</b>	<b>4.0000e-004</b>	<b>0.0528</b>	<b>3.1000e-004</b>	<b>0.0531</b>	<b>0.0141</b>	<b>2.8000e-004</b>	<b>0.0143</b>	<b>0.0000</b>	<b>36.1689</b>	<b>36.1689</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>36.1839</b>

**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	0.1910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0733	0.1158	1.9000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	16.3408	16.3408	8.9000e-004	0.0000	16.3631
<b>Total</b>	<b>0.2019</b>	<b>0.0733</b>	<b>0.1158</b>	<b>1.9000e-004</b>		<b>3.3000e-003</b>	<b>3.3000e-003</b>		<b>3.3000e-003</b>	<b>3.3000e-003</b>	<b>0.0000</b>	<b>16.3408</b>	<b>16.3408</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>16.3631</b>

The Ridge Project - Placer County APCD Air District, Annual

**3.6 Architectural Coating - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	8.9100e-003	0.1085	4.0000e-004	0.0528	3.1000e-004	0.0531	0.0141	2.8000e-004	0.0143	0.0000	36.1689	36.1689	6.0000e-004	0.0000	36.1839
<b>Total</b>	<b>0.0161</b>	<b>8.9100e-003</b>	<b>0.1085</b>	<b>4.0000e-004</b>	<b>0.0528</b>	<b>3.1000e-004</b>	<b>0.0531</b>	<b>0.0141</b>	<b>2.8000e-004</b>	<b>0.0143</b>	<b>0.0000</b>	<b>36.1689</b>	<b>36.1689</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>36.1839</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

The Ridge Project - Placer County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0735	0.5304	0.8566	4.0200e-003	0.3418	2.7300e-003	0.3445	0.0919	2.5500e-003	0.0945	0.0000	370.5599	370.5599	0.0112	0.0000	370.8389
Unmitigated	0.0735	0.5304	0.8566	4.0200e-003	0.3418	2.7300e-003	0.3445	0.0919	2.5500e-003	0.0945	0.0000	370.5599	370.5599	0.0112	0.0000	370.8389

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	320.96	320.96	320.96	919,404	919,404
Total	320.96	320.96	320.96	919,404	919,404

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
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

The Ridge Project - Placer County APCD Air District, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868
Single Family Housing	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868
Other Non-Asphalt Surfaces	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	28.9417	28.9417	3.7800e-003	7.8000e-004	29.2689
NaturalGas Mitigated	4.4400e-003	0.0379	0.0161	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	43.9338	43.9338	8.4000e-004	8.1000e-004	44.1949
NaturalGas Unmitigated	4.7400e-003	0.0405	0.0172	2.6000e-004		3.2700e-003	3.2700e-003		3.2700e-003	3.2700e-003	0.0000	46.8737	46.8737	9.0000e-004	8.6000e-004	47.1522

The Ridge Project - Placer County APCD Air District, Annual

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Single Family Housing	878379	4.7400e-003	0.0405	0.0172	2.6000e-004		3.2700e-003	3.2700e-003		3.2700e-003	3.2700e-003	0.0000	46.8737	46.8737	9.0000e-004	8.6000e-004	47.1522
<b>Total</b>		<b>4.7400e-003</b>	<b>0.0405</b>	<b>0.0172</b>	<b>2.6000e-004</b>		<b>3.2700e-003</b>	<b>3.2700e-003</b>		<b>3.2700e-003</b>	<b>3.2700e-003</b>	<b>0.0000</b>	<b>46.8737</b>	<b>46.8737</b>	<b>9.0000e-004</b>	<b>8.6000e-004</b>	<b>47.1522</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Single Family Housing	823288	4.4400e-003	0.0379	0.0161	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	43.9338	43.9338	8.4000e-004	8.1000e-004	44.1949
<b>Total</b>		<b>4.4400e-003</b>	<b>0.0379</b>	<b>0.0161</b>	<b>2.4000e-004</b>		<b>3.0700e-003</b>	<b>3.0700e-003</b>		<b>3.0700e-003</b>	<b>3.0700e-003</b>	<b>0.0000</b>	<b>43.9338</b>	<b>43.9338</b>	<b>8.4000e-004</b>	<b>8.1000e-004</b>	<b>44.1949</b>

The Ridge Project - Placer County APCD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	287089	28.9417	3.7800e-003	7.8000e-004	29.2689
<b>Total</b>		<b>28.9417</b>	<b>3.7800e-003</b>	<b>7.8000e-004</b>	<b>29.2689</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

The Ridge Project - Placer County APCD Air District, Annual

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	2.4969	0.0447	2.8960	4.7900e-003		0.3707	0.3707		0.3707	0.3707	35.1206	15.1617	50.2823	0.0329	2.7600e-003	51.9270
Unmitigated	2.5148	0.0447	2.8960	4.7900e-003		0.3707	0.3707		0.3707	0.3707	35.1206	15.1617	50.2823	0.0329	2.7600e-003	51.9270

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**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	0.0552					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3177					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1334	0.0417	2.6334	4.7700e-003		0.3692	0.3692		0.3692	0.3692	35.1206	14.7291	49.8496	0.0324	2.7600e-003	51.4831
Landscaping	8.5300e-003	3.0000e-003	0.2626	1.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	0.4327	0.4327	4.5000e-004	0.0000	0.4439
<b>Total</b>	<b>2.5148</b>	<b>0.0447</b>	<b>2.8960</b>	<b>4.7800e-003</b>		<b>0.3707</b>	<b>0.3707</b>		<b>0.3707</b>	<b>0.3707</b>	<b>35.1206</b>	<b>15.1617</b>	<b>50.2823</b>	<b>0.0329</b>	<b>2.7600e-003</b>	<b>51.9270</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0552					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1334	0.0417	2.6334	4.7700e-003		0.3692	0.3692		0.3692	0.3692	35.1206	14.7291	49.8496	0.0324	2.7600e-003	51.4831
Landscaping	8.5300e-003	3.0000e-003	0.2626	1.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	0.4327	0.4327	4.5000e-004	0.0000	0.4439
<b>Total</b>	<b>2.4969</b>	<b>0.0447</b>	<b>2.8960</b>	<b>4.7800e-003</b>		<b>0.3707</b>	<b>0.3707</b>		<b>0.3707</b>	<b>0.3707</b>	<b>35.1206</b>	<b>15.1617</b>	<b>50.2823</b>	<b>0.0329</b>	<b>2.7600e-003</b>	<b>51.9270</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

The Ridge Project - Placer County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.9232	0.0579	1.4000e-003	3.7885
Unmitigated	2.4039	0.0724	1.7500e-003	4.7357

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.21524 / 1.39656	2.4039	0.0724	1.7500e-003	4.7357
<b>Total</b>		<b>2.4039</b>	<b>0.0724</b>	<b>1.7500e-003</b>	<b>4.7357</b>

The Ridge Project - Placer County APCD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.77219 / 1.11725	1.9232	0.0579	1.4000e-003	3.7885
<b>Total</b>		<b>1.9232</b>	<b>0.0579</b>	<b>1.4000e-003</b>	<b>3.7885</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

The Ridge Project - Placer County APCD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.0884	0.4189	0.0000	17.5613
Unmitigated	7.0884	0.4189	0.0000	17.5613

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	34.92	7.0884	0.4189	0.0000	17.5613
<b>Total</b>		<b>7.0884</b>	<b>0.4189</b>	<b>0.0000</b>	<b>17.5613</b>

The Ridge Project - Placer County APCD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	34.92	7.0884	0.4189	0.0000	17.5613
<b>Total</b>		<b>7.0884</b>	<b>0.4189</b>	<b>0.0000</b>	<b>17.5613</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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The Ridge Project - Placer County APCD Air District, Annual

### 11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-888.0000	0.0000	0.0000	-888.0000

### 11.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Trees	8 / 0	-888.0000	0.0000	0.0000	-888.0000
<b>Total</b>		<b>-888.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-888.0000</b>

The Ridge Project - Placer County APCD Air District, Summer

**The Ridge Project**  
**Placer County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.90	Acre	1.90	82,764.00	0
Other Non-Asphalt Surfaces	1,133.70	1000sqft	26.03	1,133,700.00	0
Single Family Housing	34.00	Dwelling Unit	21.92	61,200.00	97

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	74
<b>Climate Zone</b>	2			<b>Operational Year</b>	2026
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	222.25	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

The Ridge Project - Placer County APCD Air District, Summer

Project Characteristics - CO2 intensity factor adjusted per PG&E's RPS projections.

Land Use - Lot acreage adjusted per site plan.

Construction Phase - Construction phase timing based on applicant-provided questionnaire.

Vehicle Trips - Trip generation rates adjusted to be consistent with project-specific traffic study prepared by F&P.

Area Mitigation -

Energy Mitigation - Title 24 exceedance used to reflect compliance with 2019 CBSC.

Water Mitigation - Water conservation strategy applied to reflect compliance with 2019 CalGreen Code and MWEL0.

Grading -

Land Use Change -

## The Ridge Project - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	55.00	370.00
tblConstructionPhase	NumDays	740.00	370.00
tblConstructionPhase	NumDays	75.00	45.00
tblConstructionPhase	NumDays	55.00	21.00
tblConstructionPhase	PhaseEndDate	4/28/2028	6/29/2026
tblConstructionPhase	PhaseEndDate	11/26/2027	6/15/2026
tblConstructionPhase	PhaseEndDate	1/24/2025	12/13/2024
tblConstructionPhase	PhaseEndDate	2/11/2028	1/13/2025
tblConstructionPhase	PhaseStartDate	2/12/2028	1/28/2025
tblConstructionPhase	PhaseStartDate	1/25/2025	1/14/2025
tblConstructionPhase	PhaseStartDate	11/27/2027	12/14/2024
tblLandUse	LotAcreage	11.04	21.92
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

## 2.0 Emissions Summary

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The Ridge Project - Placer County APCD Air District, Summer

**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					
2024	3.2777	32.4051	28.1507	0.0635	18.2141	1.3364	19.4443	9.9699	1.2294	11.1017	0.0000	6,150.3633	6,150.3633	1.9463	0.0000	6,199.0206
2025	6.6989	31.2198	33.2467	0.1295	6.5336	0.6259	7.1595	1.7641	0.5915	2.3557	0.0000	13,052.1746	13,052.1746	0.8669	0.0000	13,073.8480
2026	6.5993	30.9666	32.3600	0.1276	6.5336	0.6246	7.1581	1.7641	0.5902	2.3544	0.0000	12,862.6115	12,862.6115	0.8552	0.0000	12,883.9910
<b>Maximum</b>	<b>6.6989</b>	<b>32.4051</b>	<b>33.2467</b>	<b>0.1295</b>	<b>18.2141</b>	<b>1.3364</b>	<b>19.4443</b>	<b>9.9699</b>	<b>1.2294</b>	<b>11.1017</b>	<b>0.0000</b>	<b>13,052.1746</b>	<b>13,052.1746</b>	<b>1.9463</b>	<b>0.0000</b>	<b>13,073.8480</b>

**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					
2024	3.2777	32.4051	28.1507	0.0635	18.2141	1.3364	19.4443	9.9699	1.2294	11.1017	0.0000	6,150.3632	6,150.3632	1.9463	0.0000	6,199.0206
2025	6.6989	31.2198	33.2467	0.1295	6.5336	0.6259	7.1595	1.7641	0.5915	2.3557	0.0000	13,052.1746	13,052.1746	0.8669	0.0000	13,073.8480
2026	6.5993	30.9666	32.3600	0.1276	6.5336	0.6246	7.1581	1.7641	0.5902	2.3544	0.0000	12,862.6115	12,862.6115	0.8552	0.0000	12,883.9910
<b>Maximum</b>	<b>6.6989</b>	<b>32.4051</b>	<b>33.2467</b>	<b>0.1295</b>	<b>18.2141</b>	<b>1.3364</b>	<b>19.4443</b>	<b>9.9699</b>	<b>1.2294</b>	<b>11.1017</b>	<b>0.0000</b>	<b>13,052.1746</b>	<b>13,052.1746</b>	<b>1.9463</b>	<b>0.0000</b>	<b>13,073.8480</b>



The Ridge Project - Placer County APCD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	54.1713	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925
Energy	0.0260	0.2218	0.0944	1.4200e-003		0.0179	0.0179		0.0179	0.0179		283.1199	283.1199	5.4300e-003	5.1900e-003	284.8023
Mobile	0.4932	2.8449	5.1126	0.0235	1.9625	0.0150	1.9775	0.5259	0.0140	0.5399		2,382.5102	2,382.5102	0.0675		2,384.1976
<b>Total</b>	<b>54.6905</b>	<b>4.1162</b>	<b>72.3546</b>	<b>0.1414</b>	<b>1.9625</b>	<b>9.0545</b>	<b>11.0170</b>	<b>0.5259</b>	<b>9.0535</b>	<b>9.5794</b>	<b>944.2388</b>	<b>3,066.9294</b>	<b>4,011.1682</b>	<b>0.9498</b>	<b>0.0795</b>	<b>4,058.5924</b>

**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	54.0734	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925
Energy	0.0243	0.2079	0.0885	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3628	265.3628	5.0900e-003	4.8600e-003	266.9397
Mobile	0.4932	2.8449	5.1126	0.0235	1.9625	0.0150	1.9775	0.5259	0.0140	0.5399		2,382.5102	2,382.5102	0.0675		2,384.1976
<b>Total</b>	<b>54.5909</b>	<b>4.1023</b>	<b>72.3487</b>	<b>0.1413</b>	<b>1.9625</b>	<b>9.0534</b>	<b>11.0159</b>	<b>0.5259</b>	<b>9.0524</b>	<b>9.5783</b>	<b>944.2388</b>	<b>3,049.1723</b>	<b>3,993.4111</b>	<b>0.9494</b>	<b>0.0791</b>	<b>4,040.7298</b>

The Ridge Project - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.18	0.34	0.01	0.06	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.58	0.44	0.04	0.42	0.44

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/1/2024	10/11/2024	5	30	
2	Grading	Grading	10/12/2024	12/13/2024	5	45	
3	Building Construction	Building Construction	1/14/2025	6/15/2026	5	370	
4	Paving	Paving	12/14/2024	1/13/2025	5	21	
5	Architectural Coating	Architectural Coating	1/28/2025	6/29/2026	5	370	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 27.93

Residential Indoor: 123,930; Residential Outdoor: 41,310; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 72,988 (Architectural Coating – sqft)

#### OffRoad Equipment

The Ridge Project - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	523.00	203.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	105.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

The Ridge Project - Placer County APCD Air District, Summer

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>18.0663</b>	<b>1.2294</b>	<b>19.2956</b>	<b>9.9307</b>	<b>1.1310</b>	<b>11.0617</b>		<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0253	0.3851	1.2700e-003	0.1479	8.6000e-004	0.1487	0.0392	7.9000e-004	0.0400		126.5531	126.5531	2.3600e-003		126.6121
<b>Total</b>	<b>0.0536</b>	<b>0.0253</b>	<b>0.3851</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>8.6000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.9000e-004</b>	<b>0.0400</b>		<b>126.5531</b>	<b>126.5531</b>	<b>2.3600e-003</b>		<b>126.6121</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.2 Site Preparation - 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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>18.0663</b>	<b>1.2294</b>	<b>19.2956</b>	<b>9.9307</b>	<b>1.1310</b>	<b>11.0617</b>	<b>0.0000</b>	<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0253	0.3851	1.2700e-003	0.1479	8.6000e-004	0.1487	0.0392	7.9000e-004	0.0400		126.5531	126.5531	2.3600e-003		126.6121
<b>Total</b>	<b>0.0536</b>	<b>0.0253</b>	<b>0.3851</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>8.6000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.9000e-004</b>	<b>0.0400</b>		<b>126.5531</b>	<b>126.5531</b>	<b>2.3600e-003</b>		<b>126.6121</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.3 Grading - 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					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>8.6733</b>	<b>1.3354</b>	<b>10.0087</b>	<b>3.5965</b>	<b>1.2286</b>	<b>4.8251</b>		<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0596	0.0281	0.4279	1.4100e-003	0.1643	9.5000e-004	0.1653	0.0436	8.8000e-004	0.0445		140.6146	140.6146	2.6200e-003		140.6801
<b>Total</b>	<b>0.0596</b>	<b>0.0281</b>	<b>0.4279</b>	<b>1.4100e-003</b>	<b>0.1643</b>	<b>9.5000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>140.6146</b>	<b>140.6146</b>	<b>2.6200e-003</b>		<b>140.6801</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.3 Grading - 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	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>8.6733</b>	<b>1.3354</b>	<b>10.0087</b>	<b>3.5965</b>	<b>1.2286</b>	<b>4.8251</b>	<b>0.0000</b>	<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0596	0.0281	0.4279	1.4100e-003	0.1643	9.5000e-004	0.1653	0.0436	8.8000e-004	0.0445		140.6146	140.6146	2.6200e-003		140.6801
<b>Total</b>	<b>0.0596</b>	<b>0.0281</b>	<b>0.4279</b>	<b>1.4100e-003</b>	<b>0.1643</b>	<b>9.5000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>140.6146</b>	<b>140.6146</b>	<b>2.6200e-003</b>		<b>140.6801</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.4 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4068	16.8015	2.8574	0.0571	1.3748	0.0174	1.3922	0.3958	0.0167	0.4124		5,977.147 8	5,977.147 8	0.1760		5,981.546 4
Worker	1.4737	0.6688	10.4063	0.0354	4.2963	0.0245	4.3208	1.1396	0.0226	1.1621		3,528.671 4	3,528.671 4	0.0622		3,530.226 4
<b>Total</b>	<b>1.8805</b>	<b>17.4703</b>	<b>13.2637</b>	<b>0.0925</b>	<b>5.6711</b>	<b>0.0419</b>	<b>5.7130</b>	<b>1.5354</b>	<b>0.0392</b>	<b>1.5746</b>		<b>9,505.819 2</b>	<b>9,505.819 2</b>	<b>0.2382</b>		<b>9,511.772 8</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4068	16.8015	2.8574	0.0571	1.3748	0.0174	1.3922	0.3958	0.0167	0.4124		5,977.147 8	5,977.147 8	0.1760		5,981.546 4
Worker	1.4737	0.6688	10.4063	0.0354	4.2963	0.0245	4.3208	1.1396	0.0226	1.1621		3,528.671 4	3,528.671 4	0.0622		3,530.226 4
<b>Total</b>	<b>1.8805</b>	<b>17.4703</b>	<b>13.2637</b>	<b>0.0925</b>	<b>5.6711</b>	<b>0.0419</b>	<b>5.7130</b>	<b>1.5354</b>	<b>0.0392</b>	<b>1.5746</b>		<b>9,505.819 2</b>	<b>9,505.819 2</b>	<b>0.2382</b>		<b>9,511.772 8</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.4 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3970	16.6157	2.7740	0.0568	1.3747	0.0170	1.3917	0.3958	0.0162	0.4120		5,943.269 6	5,943.269 6	0.1707		5,947.536 7
Worker	1.3989	0.6127	9.7373	0.0341	4.2963	0.0238	4.3201	1.1396	0.0219	1.1615		3,399.016 6	3,399.016 6	0.0568		3,400.436 3
<b>Total</b>	<b>1.7959</b>	<b>17.2284</b>	<b>12.5113</b>	<b>0.0909</b>	<b>5.6710</b>	<b>0.0407</b>	<b>5.7117</b>	<b>1.5353</b>	<b>0.0381</b>	<b>1.5734</b>		<b>9,342.286 2</b>	<b>9,342.286 2</b>	<b>0.2275</b>		<b>9,347.973 0</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.4 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3970	16.6157	2.7740	0.0568	1.3747	0.0170	1.3917	0.3958	0.0162	0.4120		5,943.269 6	5,943.269 6	0.1707		5,947.536 7
Worker	1.3989	0.6127	9.7373	0.0341	4.2963	0.0238	4.3201	1.1396	0.0219	1.1615		3,399.016 6	3,399.016 6	0.0568		3,400.436 3
<b>Total</b>	<b>1.7959</b>	<b>17.2284</b>	<b>12.5113</b>	<b>0.0909</b>	<b>5.6710</b>	<b>0.0407</b>	<b>5.7117</b>	<b>1.5353</b>	<b>0.0381</b>	<b>1.5734</b>		<b>9,342.286 2</b>	<b>9,342.286 2</b>	<b>0.2275</b>		<b>9,347.973 0</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.5 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2252</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0447	0.0211	0.3209	1.0600e-003	0.1232	7.1000e-004	0.1239	0.0327	6.6000e-004	0.0333		105.4609	105.4609	1.9700e-003		105.5101
<b>Total</b>	<b>0.0447</b>	<b>0.0211</b>	<b>0.3209</b>	<b>1.0600e-003</b>	<b>0.1232</b>	<b>7.1000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>105.4609</b>	<b>105.4609</b>	<b>1.9700e-003</b>		<b>105.5101</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.5 Paving - 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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2252</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0447	0.0211	0.3209	1.0600e-003	0.1232	7.1000e-004	0.1239	0.0327	6.6000e-004	0.0333		105.4609	105.4609	1.9700e-003		105.5101
<b>Total</b>	<b>0.0447</b>	<b>0.0211</b>	<b>0.3209</b>	<b>1.0600e-003</b>	<b>0.1232</b>	<b>7.1000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>105.4609</b>	<b>105.4609</b>	<b>1.9700e-003</b>		<b>105.5101</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.5 Paving - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1522</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0423	0.0192	0.2985	1.0100e-003	0.1232	7.0000e-004	0.1239	0.0327	6.5000e-004	0.0333		101.2047	101.2047	1.7800e-003		101.2493
<b>Total</b>	<b>0.0423</b>	<b>0.0192</b>	<b>0.2985</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>7.0000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.5000e-004</b>	<b>0.0333</b>		<b>101.2047</b>	<b>101.2047</b>	<b>1.7800e-003</b>		<b>101.2493</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.5 Paving - 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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1522</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0423	0.0192	0.2985	1.0100e-003	0.1232	7.0000e-004	0.1239	0.0327	6.5000e-004	0.0333		101.2047	101.2047	1.7800e-003		101.2493
<b>Total</b>	<b>0.0423</b>	<b>0.0192</b>	<b>0.2985</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>7.0000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.5000e-004</b>	<b>0.0333</b>		<b>101.2047</b>	<b>101.2047</b>	<b>1.7800e-003</b>		<b>101.2493</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.6 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	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2959	0.1343	2.0892	7.1000e-003	0.8626	4.9200e-003	0.8675	0.2288	4.5300e-003	0.2333		708.4331	708.4331	0.0125		708.7453
<b>Total</b>	<b>0.2959</b>	<b>0.1343</b>	<b>2.0892</b>	<b>7.1000e-003</b>	<b>0.8626</b>	<b>4.9200e-003</b>	<b>0.8675</b>	<b>0.2288</b>	<b>4.5300e-003</b>	<b>0.2333</b>		<b>708.4331</b>	<b>708.4331</b>	<b>0.0125</b>		<b>708.7453</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.6 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	lb/day										lb/day					
Archit. Coating	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2959	0.1343	2.0892	7.1000e-003	0.8626	4.9200e-003	0.8675	0.2288	4.5300e-003	0.2333		708.4331	708.4331	0.0125		708.7453
<b>Total</b>	<b>0.2959</b>	<b>0.1343</b>	<b>2.0892</b>	<b>7.1000e-003</b>	<b>0.8626</b>	<b>4.9200e-003</b>	<b>0.8675</b>	<b>0.2288</b>	<b>4.5300e-003</b>	<b>0.2333</b>		<b>708.4331</b>	<b>708.4331</b>	<b>0.0125</b>		<b>708.7453</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2026**

**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	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2809	0.1230	1.9549	6.8400e-003	0.8626	4.7700e-003	0.8673	0.2288	4.3900e-003	0.2332		682.4030	682.4030	0.0114		682.6880
<b>Total</b>	<b>0.2809</b>	<b>0.1230</b>	<b>1.9549</b>	<b>6.8400e-003</b>	<b>0.8626</b>	<b>4.7700e-003</b>	<b>0.8673</b>	<b>0.2288</b>	<b>4.3900e-003</b>	<b>0.2332</b>		<b>682.4030</b>	<b>682.4030</b>	<b>0.0114</b>		<b>682.6880</b>

The Ridge Project - Placer County APCD Air District, Summer

**3.6 Architectural Coating - 2026**

**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	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2809	0.1230	1.9549	6.8400e-003	0.8626	4.7700e-003	0.8673	0.2288	4.3900e-003	0.2332		682.4030	682.4030	0.0114		682.6880
<b>Total</b>	<b>0.2809</b>	<b>0.1230</b>	<b>1.9549</b>	<b>6.8400e-003</b>	<b>0.8626</b>	<b>4.7700e-003</b>	<b>0.8673</b>	<b>0.2288</b>	<b>4.3900e-003</b>	<b>0.2332</b>		<b>682.4030</b>	<b>682.4030</b>	<b>0.0114</b>		<b>682.6880</b>

**4.0 Operational Detail - Mobile**

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The Ridge Project - Placer County APCD Air District, Summer

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4932	2.8449	5.1126	0.0235	1.9625	0.0150	1.9775	0.5259	0.0140	0.5399		2,382.5102	2,382.5102	0.0675		2,384.1976
Unmitigated	0.4932	2.8449	5.1126	0.0235	1.9625	0.0150	1.9775	0.5259	0.0140	0.5399		2,382.5102	2,382.5102	0.0675		2,384.1976

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	320.96	320.96	320.96	919,404	919,404
Total	320.96	320.96	320.96	919,404	919,404

**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
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

The Ridge Project - Placer County APCD Air District, Summer

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868
Single Family Housing	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868
Other Non-Asphalt Surfaces	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0243	0.2079	0.0885	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3628	265.3628	5.0900e-003	4.8600e-003	266.9397
NaturalGas Unmitigated	0.0260	0.2218	0.0944	1.4200e-003		0.0179	0.0179		0.0179	0.0179		283.1199	283.1199	5.4300e-003	5.1900e-003	284.8023

The Ridge Project - Placer County APCD Air District, Summer

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	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	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Single Family Housing	2406.52	0.0260	0.2218	0.0944	1.4200e-003		0.0179	0.0179		0.0179	0.0179		283.1199	283.1199	5.4300e-003	5.1900e-003	284.8023
<b>Total</b>		<b>0.0260</b>	<b>0.2218</b>	<b>0.0944</b>	<b>1.4200e-003</b>		<b>0.0179</b>	<b>0.0179</b>		<b>0.0179</b>	<b>0.0179</b>		<b>283.1199</b>	<b>283.1199</b>	<b>5.4300e-003</b>	<b>5.1900e-003</b>	<b>284.8023</b>

**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	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Single Family Housing	2.25558	0.0243	0.2079	0.0885	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3628	265.3628	5.0900e-003	4.8600e-003	266.9397
<b>Total</b>		<b>0.0243</b>	<b>0.2079</b>	<b>0.0885</b>	<b>1.3300e-003</b>		<b>0.0168</b>	<b>0.0168</b>		<b>0.0168</b>	<b>0.0168</b>		<b>265.3628</b>	<b>265.3628</b>	<b>5.0900e-003</b>	<b>4.8600e-003</b>	<b>266.9397</b>

**6.0 Area Detail**

The Ridge Project - Placer County APCD Air District, Summer

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	54.0734	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925
Unmitigated	54.1713	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925

The Ridge Project - Placer County APCD Air District, Summer

**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	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	1.7406					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743		1,384.1562
Landscaping	0.0948	0.0333	2.9180	1.6000e-004		0.0160	0.0160		0.0160	0.0160		5.2993	5.2993	5.4800e-003			5.4364
<b>Total</b>	<b>54.1713</b>	<b>1.0495</b>	<b>67.1477</b>	<b>0.1165</b>		<b>9.0216</b>	<b>9.0216</b>		<b>9.0216</b>	<b>9.0216</b>	<b>944.2388</b>	<b>401.2993</b>	<b>1,345.5382</b>	<b>0.8769</b>	<b>0.0743</b>		<b>1,389.5925</b>

The Ridge Project - Placer County APCD Air District, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743	1,384.1562
Landscaping	0.0948	0.0333	2.9180	1.6000e-004		0.0160	0.0160		0.0160	0.0160		5.2993	5.2993	5.4800e-003		5.4364
<b>Total</b>	<b>54.0734</b>	<b>1.0495</b>	<b>67.1477</b>	<b>0.1165</b>		<b>9.0216</b>	<b>9.0216</b>		<b>9.0216</b>	<b>9.0216</b>	<b>944.2388</b>	<b>401.2993</b>	<b>1,345.5382</b>	<b>0.8769</b>	<b>0.0743</b>	<b>1,389.5925</b>

**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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## The Ridge Project - Placer County APCD Air District, Summer

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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The Ridge Project - Placer County APCD Air District, Winter

**The Ridge Project**  
**Placer County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.90	Acre	1.90	82,764.00	0
Other Non-Asphalt Surfaces	1,133.70	1000sqft	26.03	1,133,700.00	0
Single Family Housing	34.00	Dwelling Unit	21.92	61,200.00	97

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	74
<b>Climate Zone</b>	2			<b>Operational Year</b>	2026
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	222.25	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

The Ridge Project - Placer County APCD Air District, Winter

Project Characteristics - CO2 intensity factor adjusted per PG&E's RPS projections.

Land Use - Lot acreage adjusted per site plan.

Construction Phase - Construction phase timing based on applicant-provided questionnaire.

Vehicle Trips - Trip generation rates adjusted to be consistent with project-specific traffic study prepared by F&P.

Area Mitigation -

Energy Mitigation - Title 24 exceedance used to reflect compliance with 2019 CBSC.

Water Mitigation - Water conservation strategy applied to reflect compliance with 2019 CalGreen Code and MWEL0.

Grading -

Land Use Change -

## The Ridge Project - Placer County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	55.00	370.00
tblConstructionPhase	NumDays	740.00	370.00
tblConstructionPhase	NumDays	75.00	45.00
tblConstructionPhase	NumDays	55.00	21.00
tblConstructionPhase	PhaseEndDate	4/28/2028	6/29/2026
tblConstructionPhase	PhaseEndDate	11/26/2027	6/15/2026
tblConstructionPhase	PhaseEndDate	1/24/2025	12/13/2024
tblConstructionPhase	PhaseEndDate	2/11/2028	1/13/2025
tblConstructionPhase	PhaseStartDate	2/12/2028	1/28/2025
tblConstructionPhase	PhaseStartDate	1/25/2025	1/14/2025
tblConstructionPhase	PhaseStartDate	11/27/2027	12/14/2024
tblLandUse	LotAcreage	11.04	21.92
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

## 2.0 Emissions Summary

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The Ridge Project - Placer County APCD Air District, Winter

**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					
2024	3.2762	32.4121	28.0969	0.0633	18.2141	1.3364	19.4443	9.9699	1.2294	11.1017	0.0000	6,134.9648	6,134.9648	1.9460	0.0000	6,183.6153
2025	6.6855	31.4643	32.2101	0.1230	6.5336	0.6265	7.1601	1.7641	0.5921	2.3562	0.0000	12,386.4846	12,386.4846	0.8827	0.0000	12,408.5528
2026	6.5913	31.1894	31.3735	0.1212	6.5336	0.6251	7.1587	1.7641	0.5908	2.3549	0.0000	12,216.2730	12,216.2730	0.8708	0.0000	12,238.0429
<b>Maximum</b>	<b>6.6855</b>	<b>32.4121</b>	<b>32.2101</b>	<b>0.1230</b>	<b>18.2141</b>	<b>1.3364</b>	<b>19.4443</b>	<b>9.9699</b>	<b>1.2294</b>	<b>11.1017</b>	<b>0.0000</b>	<b>12,386.4846</b>	<b>12,386.4846</b>	<b>1.9460</b>	<b>0.0000</b>	<b>12,408.5528</b>

**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					
2024	3.2762	32.4121	28.0969	0.0633	18.2141	1.3364	19.4443	9.9699	1.2294	11.1017	0.0000	6,134.9648	6,134.9648	1.9460	0.0000	6,183.6153
2025	6.6855	31.4643	32.2101	0.1230	6.5336	0.6265	7.1601	1.7641	0.5921	2.3562	0.0000	12,386.4846	12,386.4846	0.8827	0.0000	12,408.5528
2026	6.5913	31.1894	31.3735	0.1212	6.5336	0.6251	7.1587	1.7641	0.5908	2.3549	0.0000	12,216.2730	12,216.2730	0.8708	0.0000	12,238.0429
<b>Maximum</b>	<b>6.6855</b>	<b>32.4121</b>	<b>32.2101</b>	<b>0.1230</b>	<b>18.2141</b>	<b>1.3364</b>	<b>19.4443</b>	<b>9.9699</b>	<b>1.2294</b>	<b>11.1017</b>	<b>0.0000</b>	<b>12,386.4846</b>	<b>12,386.4846</b>	<b>1.9460</b>	<b>0.0000</b>	<b>12,408.5528</b>



The Ridge Project - Placer County APCD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	54.1713	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925
Energy	0.0260	0.2218	0.0944	1.4200e-003		0.0179	0.0179		0.0179	0.0179		283.1199	283.1199	5.4300e-003	5.1900e-003	284.8023
Mobile	0.3876	2.9406	4.8601	0.0216	1.9625	0.0151	1.9776	0.5259	0.0141	0.5400		2,198.4110	2,198.4110	0.0700		2,200.1612
<b>Total</b>	<b>54.5849</b>	<b>4.2118</b>	<b>72.1022</b>	<b>0.1396</b>	<b>1.9625</b>	<b>9.0546</b>	<b>11.0171</b>	<b>0.5259</b>	<b>9.0536</b>	<b>9.5795</b>	<b>944.2388</b>	<b>2,882.8302</b>	<b>3,827.0690</b>	<b>0.9523</b>	<b>0.0795</b>	<b>3,874.5561</b>

**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	54.0734	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925
Energy	0.0243	0.2079	0.0885	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3628	265.3628	5.0900e-003	4.8600e-003	266.9397
Mobile	0.3876	2.9406	4.8601	0.0216	1.9625	0.0151	1.9776	0.5259	0.0141	0.5400		2,198.4110	2,198.4110	0.0700		2,200.1612
<b>Total</b>	<b>54.4853</b>	<b>4.1979</b>	<b>72.0962</b>	<b>0.1395</b>	<b>1.9625</b>	<b>9.0535</b>	<b>11.0159</b>	<b>0.5259</b>	<b>9.0525</b>	<b>9.5784</b>	<b>944.2388</b>	<b>2,865.0731</b>	<b>3,809.3119</b>	<b>0.9520</b>	<b>0.0791</b>	<b>3,856.6934</b>

The Ridge Project - Placer County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.18	0.33	0.01	0.06	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.62	0.46	0.04	0.42	0.46

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/1/2024	10/11/2024	5	30	
2	Grading	Grading	10/12/2024	12/13/2024	5	45	
3	Building Construction	Building Construction	1/14/2025	6/15/2026	5	370	
4	Paving	Paving	12/14/2024	1/13/2025	5	21	
5	Architectural Coating	Architectural Coating	1/28/2025	6/29/2026	5	370	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 27.93

Residential Indoor: 123,930; Residential Outdoor: 41,310; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 72,988 (Architectural Coating – sqft)

#### OffRoad Equipment

The Ridge Project - Placer County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	523.00	203.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	105.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

The Ridge Project - Placer County APCD Air District, Winter

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>18.0663</b>	<b>1.2294</b>	<b>19.2956</b>	<b>9.9307</b>	<b>1.1310</b>	<b>11.0617</b>		<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0316	0.3367	1.1300e-003	0.1479	8.6000e-004	0.1487	0.0392	7.9000e-004	0.0400		112.6945	112.6945	2.1100e-003		112.7473
<b>Total</b>	<b>0.0523</b>	<b>0.0316</b>	<b>0.3367</b>	<b>1.1300e-003</b>	<b>0.1479</b>	<b>8.6000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.9000e-004</b>	<b>0.0400</b>		<b>112.6945</b>	<b>112.6945</b>	<b>2.1100e-003</b>		<b>112.7473</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.2 Site Preparation - 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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>18.0663</b>	<b>1.2294</b>	<b>19.2956</b>	<b>9.9307</b>	<b>1.1310</b>	<b>11.0617</b>	<b>0.0000</b>	<b>3,688.010 0</b>	<b>3,688.010 0</b>	<b>1.1928</b>		<b>3,717.829 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0316	0.3367	1.1300e-003	0.1479	8.6000e-004	0.1487	0.0392	7.9000e-004	0.0400		112.6945	112.6945	2.1100e-003		112.7473
<b>Total</b>	<b>0.0523</b>	<b>0.0316</b>	<b>0.3367</b>	<b>1.1300e-003</b>	<b>0.1479</b>	<b>8.6000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.9000e-004</b>	<b>0.0400</b>		<b>112.6945</b>	<b>112.6945</b>	<b>2.1100e-003</b>		<b>112.7473</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.3 Grading - 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					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>8.6733</b>	<b>1.3354</b>	<b>10.0087</b>	<b>3.5965</b>	<b>1.2286</b>	<b>4.8251</b>		<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0351	0.3741	1.2600e-003	0.1643	9.5000e-004	0.1653	0.0436	8.8000e-004	0.0445		125.2162	125.2162	2.3400e-003		125.2747
<b>Total</b>	<b>0.0581</b>	<b>0.0351</b>	<b>0.3741</b>	<b>1.2600e-003</b>	<b>0.1643</b>	<b>9.5000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>125.2162</b>	<b>125.2162</b>	<b>2.3400e-003</b>		<b>125.2747</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.3 Grading - 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	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>8.6733</b>	<b>1.3354</b>	<b>10.0087</b>	<b>3.5965</b>	<b>1.2286</b>	<b>4.8251</b>	<b>0.0000</b>	<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0351	0.3741	1.2600e-003	0.1643	9.5000e-004	0.1653	0.0436	8.8000e-004	0.0445		125.2162	125.2162	2.3400e-003		125.2747
<b>Total</b>	<b>0.0581</b>	<b>0.0351</b>	<b>0.3741</b>	<b>1.2600e-003</b>	<b>0.1643</b>	<b>9.5000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>125.2162</b>	<b>125.2162</b>	<b>2.3400e-003</b>		<b>125.2747</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.4 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4332	16.8456	3.4283	0.0552	1.3748	0.0180	1.3928	0.3958	0.0172	0.4130		5,775.158 6	5,775.158 6	0.1999		5,780.154 8
Worker	1.4405	0.8357	9.0676	0.0315	4.2963	0.0245	4.3208	1.1396	0.0226	1.1621		3,142.500 1	3,142.500 1	0.0555		3,143.886 3
<b>Total</b>	<b>1.8737</b>	<b>17.6813</b>	<b>12.4958</b>	<b>0.0867</b>	<b>5.6711</b>	<b>0.0425</b>	<b>5.7136</b>	<b>1.5354</b>	<b>0.0398</b>	<b>1.5752</b>		<b>8,917.658 7</b>	<b>8,917.658 7</b>	<b>0.2553</b>		<b>8,924.041 1</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4332	16.8456	3.4283	0.0552	1.3748	0.0180	1.3928	0.3958	0.0172	0.4130		5,775.158 6	5,775.158 6	0.1999		5,780.154 8
Worker	1.4405	0.8357	9.0676	0.0315	4.2963	0.0245	4.3208	1.1396	0.0226	1.1621		3,142.500 1	3,142.500 1	0.0555		3,143.886 3
<b>Total</b>	<b>1.8737</b>	<b>17.6813</b>	<b>12.4958</b>	<b>0.0867</b>	<b>5.6711</b>	<b>0.0425</b>	<b>5.7136</b>	<b>1.5354</b>	<b>0.0398</b>	<b>1.5752</b>		<b>8,917.658 7</b>	<b>8,917.658 7</b>	<b>0.2553</b>		<b>8,924.041 1</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.4 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4226	16.6552	3.3260	0.0549	1.3747	0.0175	1.3922	0.3958	0.0167	0.4125		5,743.496 2	5,743.496 2	0.1939		5,748.343 0
Worker	1.3710	0.7653	8.4560	0.0304	4.2963	0.0238	4.3201	1.1396	0.0219	1.1615		3,027.116 0	3,027.116 0	0.0505		3,028.378 2
<b>Total</b>	<b>1.7936</b>	<b>17.4206</b>	<b>11.7820</b>	<b>0.0852</b>	<b>5.6710</b>	<b>0.0413</b>	<b>5.7123</b>	<b>1.5353</b>	<b>0.0386</b>	<b>1.5739</b>		<b>8,770.612 2</b>	<b>8,770.612 2</b>	<b>0.2444</b>		<b>8,776.721 2</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.4 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4226	16.6552	3.3260	0.0549	1.3747	0.0175	1.3922	0.3958	0.0167	0.4125		5,743.496 2	5,743.496 2	0.1939		5,748.343 0
Worker	1.3710	0.7653	8.4560	0.0304	4.2963	0.0238	4.3201	1.1396	0.0219	1.1615		3,027.116 0	3,027.116 0	0.0505		3,028.378 2
<b>Total</b>	<b>1.7936</b>	<b>17.4206</b>	<b>11.7820</b>	<b>0.0852</b>	<b>5.6710</b>	<b>0.0413</b>	<b>5.7123</b>	<b>1.5353</b>	<b>0.0386</b>	<b>1.5739</b>		<b>8,770.612 2</b>	<b>8,770.612 2</b>	<b>0.2444</b>		<b>8,776.721 2</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.5 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2252</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0436	0.0264	0.2806	9.4000e-004	0.1232	7.1000e-004	0.1239	0.0327	6.6000e-004	0.0333		93.9121	93.9121	1.7600e-003		93.9560
<b>Total</b>	<b>0.0436</b>	<b>0.0264</b>	<b>0.2806</b>	<b>9.4000e-004</b>	<b>0.1232</b>	<b>7.1000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>93.9121</b>	<b>93.9121</b>	<b>1.7600e-003</b>		<b>93.9560</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.5 Paving - 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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2252</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0436	0.0264	0.2806	9.4000e-004	0.1232	7.1000e-004	0.1239	0.0327	6.6000e-004	0.0333		93.9121	93.9121	1.7600e-003		93.9560
<b>Total</b>	<b>0.0436</b>	<b>0.0264</b>	<b>0.2806</b>	<b>9.4000e-004</b>	<b>0.1232</b>	<b>7.1000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>93.9121</b>	<b>93.9121</b>	<b>1.7600e-003</b>		<b>93.9560</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.5 Paving - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1522</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0413	0.0240	0.2601	9.0000e-004	0.1232	7.0000e-004	0.1239	0.0327	6.5000e-004	0.0333		90.1291	90.1291	1.5900e-003		90.1688
<b>Total</b>	<b>0.0413</b>	<b>0.0240</b>	<b>0.2601</b>	<b>9.0000e-004</b>	<b>0.1232</b>	<b>7.0000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.5000e-004</b>	<b>0.0333</b>		<b>90.1291</b>	<b>90.1291</b>	<b>1.5900e-003</b>		<b>90.1688</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.5 Paving - 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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2371					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1522</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0413	0.0240	0.2601	9.0000e-004	0.1232	7.0000e-004	0.1239	0.0327	6.5000e-004	0.0333		90.1291	90.1291	1.5900e-003		90.1688
<b>Total</b>	<b>0.0413</b>	<b>0.0240</b>	<b>0.2601</b>	<b>9.0000e-004</b>	<b>0.1232</b>	<b>7.0000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.5000e-004</b>	<b>0.0333</b>		<b>90.1291</b>	<b>90.1291</b>	<b>1.5900e-003</b>		<b>90.1688</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.6 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	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2892	0.1678	1.8204	6.3300e-003	0.8626	4.9200e-003	0.8675	0.2288	4.5300e-003	0.2333		630.9035	630.9035	0.0111		631.1818
<b>Total</b>	<b>0.2892</b>	<b>0.1678</b>	<b>1.8204</b>	<b>6.3300e-003</b>	<b>0.8626</b>	<b>4.9200e-003</b>	<b>0.8675</b>	<b>0.2288</b>	<b>4.5300e-003</b>	<b>0.2333</b>		<b>630.9035</b>	<b>630.9035</b>	<b>0.0111</b>		<b>631.1818</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.6 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	lb/day										lb/day					
Archit. Coating	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2892	0.1678	1.8204	6.3300e-003	0.8626	4.9200e-003	0.8675	0.2288	4.5300e-003	0.2333		630.9035	630.9035	0.0111		631.1818
<b>Total</b>	<b>0.2892</b>	<b>0.1678</b>	<b>1.8204</b>	<b>6.3300e-003</b>	<b>0.8626</b>	<b>4.9200e-003</b>	<b>0.8675</b>	<b>0.2288</b>	<b>4.5300e-003</b>	<b>0.2333</b>		<b>630.9035</b>	<b>630.9035</b>	<b>0.0111</b>		<b>631.1818</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2026**

**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	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2752	0.1537	1.6977	6.0900e-003	0.8626	4.7700e-003	0.8673	0.2288	4.3900e-003	0.2332		607.7384	607.7384	0.0101		607.9918
<b>Total</b>	<b>0.2752</b>	<b>0.1537</b>	<b>1.6977</b>	<b>6.0900e-003</b>	<b>0.8626</b>	<b>4.7700e-003</b>	<b>0.8673</b>	<b>0.2288</b>	<b>4.3900e-003</b>	<b>0.2332</b>		<b>607.7384</b>	<b>607.7384</b>	<b>0.0101</b>		<b>607.9918</b>

The Ridge Project - Placer County APCD Air District, Winter

**3.6 Architectural Coating - 2026**

**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	2.9843					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
<b>Total</b>	<b>3.1552</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2752	0.1537	1.6977	6.0900e-003	0.8626	4.7700e-003	0.8673	0.2288	4.3900e-003	0.2332		607.7384	607.7384	0.0101		607.9918
<b>Total</b>	<b>0.2752</b>	<b>0.1537</b>	<b>1.6977</b>	<b>6.0900e-003</b>	<b>0.8626</b>	<b>4.7700e-003</b>	<b>0.8673</b>	<b>0.2288</b>	<b>4.3900e-003</b>	<b>0.2332</b>		<b>607.7384</b>	<b>607.7384</b>	<b>0.0101</b>		<b>607.9918</b>

**4.0 Operational Detail - Mobile**

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The Ridge Project - Placer County APCD Air District, Winter

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3876	2.9406	4.8601	0.0216	1.9625	0.0151	1.9776	0.5259	0.0141	0.5400		2,198.4110	2,198.4110	0.0700		2,200.1612
Unmitigated	0.3876	2.9406	4.8601	0.0216	1.9625	0.0151	1.9776	0.5259	0.0141	0.5400		2,198.4110	2,198.4110	0.0700		2,200.1612

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	320.96	320.96	320.96	919,404	919,404
Total	320.96	320.96	320.96	919,404	919,404

**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
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

The Ridge Project - Placer County APCD Air District, Winter

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868
Single Family Housing	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868
Other Non-Asphalt Surfaces	0.515189	0.037254	0.221040	0.114665	0.016498	0.005188	0.033759	0.046875	0.001360	0.001132	0.005439	0.000735	0.000868

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0243	0.2079	0.0885	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3628	265.3628	5.0900e-003	4.8600e-003	266.9397
NaturalGas Unmitigated	0.0260	0.2218	0.0944	1.4200e-003		0.0179	0.0179		0.0179	0.0179		283.1199	283.1199	5.4300e-003	5.1900e-003	284.8023

The Ridge Project - Placer County APCD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Single Family Housing	2406.52	0.0260	0.2218	0.0944	1.4200e-003		0.0179	0.0179		0.0179	0.0179		283.1199	283.1199	5.4300e-003	5.1900e-003	284.8023
<b>Total</b>		<b>0.0260</b>	<b>0.2218</b>	<b>0.0944</b>	<b>1.4200e-003</b>		<b>0.0179</b>	<b>0.0179</b>		<b>0.0179</b>	<b>0.0179</b>		<b>283.1199</b>	<b>283.1199</b>	<b>5.4300e-003</b>	<b>5.1900e-003</b>	<b>284.8023</b>

**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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Single Family Housing	2.25558	0.0243	0.2079	0.0885	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3628	265.3628	5.0900e-003	4.8600e-003	266.9397
<b>Total</b>		<b>0.0243</b>	<b>0.2079</b>	<b>0.0885</b>	<b>1.3300e-003</b>		<b>0.0168</b>	<b>0.0168</b>		<b>0.0168</b>	<b>0.0168</b>		<b>265.3628</b>	<b>265.3628</b>	<b>5.0900e-003</b>	<b>4.8600e-003</b>	<b>266.9397</b>

**6.0 Area Detail**

The Ridge Project - Placer County APCD Air District, Winter

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	54.0734	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925
Unmitigated	54.1713	1.0495	67.1477	0.1165		9.0216	9.0216		9.0216	9.0216	944.2388	401.2993	1,345.5382	0.8769	0.0743	1,389.5925

The Ridge Project - Placer County APCD Air District, Winter

**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	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743	1,384.1562
Landscaping	0.0948	0.0333	2.9180	1.6000e-004		0.0160	0.0160		0.0160	0.0160		5.2993	5.2993	5.4800e-003		5.4364
<b>Total</b>	<b>54.1713</b>	<b>1.0495</b>	<b>67.1477</b>	<b>0.1165</b>		<b>9.0216</b>	<b>9.0216</b>		<b>9.0216</b>	<b>9.0216</b>	<b>944.2388</b>	<b>401.2993</b>	<b>1,345.5382</b>	<b>0.8769</b>	<b>0.0743</b>	<b>1,389.5925</b>

The Ridge Project - Placer County APCD Air District, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743	1,384.1562
Landscaping	0.0948	0.0333	2.9180	1.6000e-004		0.0160	0.0160		0.0160	0.0160		5.2993	5.2993	5.4800e-003		5.4364
<b>Total</b>	<b>54.0734</b>	<b>1.0495</b>	<b>67.1477</b>	<b>0.1165</b>		<b>9.0216</b>	<b>9.0216</b>		<b>9.0216</b>	<b>9.0216</b>	<b>944.2388</b>	<b>401.2993</b>	<b>1,345.5382</b>	<b>0.8769</b>	<b>0.0743</b>	<b>1,389.5925</b>

**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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## The Ridge Project - Placer County APCD Air District, Winter

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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## The Ridge Project

### Placer County APCD 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
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

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
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

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	3.16100E-002	2.11920E-001	3.34690E-001	5.50000E-004	9.53000E-003	9.53000E-003	0.00000E+000	4.72352E+001	4.72352E+001	2.58000E-003	0.00000E+000	4.72996E+001
Cranes	5.06400E-002	5.12810E-001	2.81090E-001	9.30000E-004	2.18000E-002	2.00500E-002	0.00000E+000	8.20639E+001	8.20639E+001	2.65400E-002	0.00000E+000	8.27275E+001
Excavators	8.11000E-003	6.31300E-002	1.46930E-001	2.30000E-004	3.11000E-003	2.86000E-003	0.00000E+000	2.04225E+001	2.04225E+001	6.61000E-003	0.00000E+000	2.05876E+001
Forklifts	4.82200E-002	4.54290E-001	6.29230E-001	8.50000E-004	2.43200E-002	2.23700E-002	0.00000E+000	7.45317E+001	7.45317E+001	2.41100E-002	0.00000E+000	7.51343E+001
Generator Sets	4.92800E-002	4.43160E-001	6.77010E-001	1.22000E-003	1.76500E-002	1.76500E-002	0.00000E+000	1.04563E+002	1.04563E+002	3.86000E-003	0.00000E+000	1.04660E+002
Graders	7.98000E-003	9.35000E-002	3.72700E-002	1.50000E-004	3.03000E-003	2.79000E-003	0.00000E+000	1.30738E+001	1.30738E+001	4.23000E-003	0.00000E+000	1.31795E+001
Pavers	3.77000E-003	3.51500E-002	6.07800E-002	1.00000E-004	1.64000E-003	1.51000E-003	0.00000E+000	8.66986E+000	8.66986E+000	2.80000E-003	0.00000E+000	8.73996E+000
Paving Equipment	3.30000E-003	2.93400E-002	5.37600E-002	9.00000E-005	1.43000E-003	1.32000E-003	0.00000E+000	7.51371E+000	7.51371E+000	2.43000E-003	0.00000E+000	7.57446E+000
Rollers	2.98000E-003	3.12800E-002	3.88200E-002	6.00000E-005	1.62000E-003	1.49000E-003	0.00000E+000	4.84102E+000	4.84102E+000	1.57000E-003	0.00000E+000	4.88016E+000
Rubber Tired Dozers	4.69200E-002	4.81120E-001	2.11350E-001	5.80000E-004	2.16800E-002	1.99400E-002	0.00000E+000	5.06402E+001	5.06402E+001	1.63800E-002	0.00000E+000	5.10496E+001
Scrapers	3.42000E-002	3.46310E-001	2.68520E-001	6.80000E-004	1.36900E-002	1.25900E-002	0.00000E+000	5.99735E+001	5.99735E+001	1.94000E-002	0.00000E+000	6.04584E+001
Tractors/Loaders/Backhoes	7.92800E-002	8.00420E-001	1.31752E+000	1.84000E-003	3.32500E-002	3.05900E-002	0.00000E+000	1.61816E+002	1.61816E+002	5.23300E-002	0.00000E+000	1.63124E+002
Welders	4.06600E-002	2.48280E-001	3.05550E-001	4.70000E-004	7.56000E-003	7.56000E-003	0.00000E+000	3.48208E+001	3.48208E+001	3.31000E-003	0.00000E+000	3.49035E+001

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	3.16100E-002	2.11920E-001	3.34690E-001	5.50000E-004	9.53000E-003	9.53000E-003	0.00000E+000	4.72351E+001	4.72351E+001	2.58000E-003	0.00000E+000	4.72996E+001
Cranes	5.06400E-002	5.12810E-001	2.81090E-001	9.30000E-004	2.18000E-002	2.00500E-002	0.00000E+000	8.20638E+001	8.20638E+001	2.65400E-002	0.00000E+000	8.27274E+001
Excavators	8.11000E-003	6.31300E-002	1.46930E-001	2.30000E-004	3.11000E-003	2.86000E-003	0.00000E+000	2.04225E+001	2.04225E+001	6.61000E-003	0.00000E+000	2.05876E+001
Forklifts	4.82200E-002	4.54290E-001	6.29230E-001	8.50000E-004	2.43200E-002	2.23700E-002	0.00000E+000	7.45316E+001	7.45316E+001	2.41100E-002	0.00000E+000	7.51342E+001
Generator Sets	4.92800E-002	4.43160E-001	6.77010E-001	1.22000E-003	1.76500E-002	1.76500E-002	0.00000E+000	1.04563E+002	1.04563E+002	3.86000E-003	0.00000E+000	1.04660E+002
Graders	7.98000E-003	9.35000E-002	3.72700E-002	1.50000E-004	3.03000E-003	2.79000E-003	0.00000E+000	1.30738E+001	1.30738E+001	4.23000E-003	0.00000E+000	1.31795E+001
Pavers	3.77000E-003	3.51500E-002	6.07800E-002	1.00000E-004	1.64000E-003	1.51000E-003	0.00000E+000	8.66985E+000	8.66985E+000	2.80000E-003	0.00000E+000	8.73995E+000
Paving Equipment	3.30000E-003	2.93400E-002	5.37600E-002	9.00000E-005	1.43000E-003	1.32000E-003	0.00000E+000	7.51370E+000	7.51370E+000	2.43000E-003	0.00000E+000	7.57445E+000
Rollers	2.98000E-003	3.12800E-002	3.88200E-002	6.00000E-005	1.62000E-003	1.49000E-003	0.00000E+000	4.84101E+000	4.84101E+000	1.57000E-003	0.00000E+000	4.88015E+000
Rubber Tired Dozers	4.69200E-002	4.81120E-001	2.11350E-001	5.80000E-004	2.16800E-002	1.99400E-002	0.00000E+000	5.06401E+001	5.06401E+001	1.63800E-002	0.00000E+000	5.10496E+001
Scrapers	3.42000E-002	3.46310E-001	2.68510E-001	6.80000E-004	1.36900E-002	1.25900E-002	0.00000E+000	5.99734E+001	5.99734E+001	1.94000E-002	0.00000E+000	6.04583E+001
Tractors/Loaders/Balckhoes	7.92800E-002	8.00420E-001	1.31752E+000	1.84000E-003	3.32500E-002	3.05900E-002	0.00000E+000	1.61816E+002	1.61816E+002	5.23300E-002	0.00000E+000	1.63124E+002
Welders	4.06600E-002	2.48280E-001	3.05550E-001	4.70000E-004	7.56000E-003	7.56000E-003	0.00000E+000	3.48208E+001	3.48208E+001	3.31000E-003	0.00000E+000	3.49035E+001

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	1.05853E-006	1.05853E-006	0.00000E+000	0.00000E+000	1.26851E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21856E-006	1.21856E-006	0.00000E+000	0.00000E+000	1.20879E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.79313E-007	9.79313E-007	0.00000E+000	0.00000E+000	1.45719E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20754E-006	1.20754E-006	0.00000E+000	0.00000E+000	1.19786E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24327E-006	1.24327E-006	0.00000E+000	0.00000E+000	1.24212E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.52977E-006	1.52977E-006	0.00000E+000	0.00000E+000	1.51750E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15342E-006	1.15342E-006	0.00000E+000	0.00000E+000	1.14417E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.33090E-006	1.33090E-006	0.00000E+000	0.00000E+000	1.32023E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.06568E-006	2.06568E-006	0.00000E+000	0.00000E+000	2.04911E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18483E-006	1.18483E-006	0.00000E+000	0.00000E+000	1.17533E-006
Scrapers	0.00000E+000	0.00000E+000	3.72412E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16718E-006	1.16718E-006	0.00000E+000	0.00000E+000	1.15782E-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	1.23597E-006	1.23597E-006	0.00000E+000	0.00000E+000	1.22606E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.43592E-006	1.43592E-006	0.00000E+000	0.00000E+000	1.14602E-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	
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	0.15	0.04	0.15	0.04	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.00	0.27	1.00	0.27	0.00	0.00
Grading	Fugitive Dust	0.20	0.08	0.20	0.08	0.00	0.00
Grading	Roads	0.00	0.00	0.00	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	0.27	0.15	0.27	0.15	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

**Operational Percent Reduction Summary**

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	5.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00	100.00	100.00	100.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	6.33	6.25	6.27	7.69	6.12	6.12	0.00	6.27	6.27	6.67	5.81	6.27
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00	20.00	20.01	20.00	20.00
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:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.04	0.21		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
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
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

### Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
Yes	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
Yes	Use Low VOC Paint (Non-residential Exterior)	100.00
Yes	Use Low VOC Paint (Parking)	100.00
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	7.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	100.00

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	20.00	20.00
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**

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