

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

Lincoln Meadows (Reduced Intensity Alternative)
Placer County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	72.00	Dwelling Unit	23.38	129,600.00	187
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	384.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor adjusted for progress towards RPS

Land Use - Adjusted based on Lincoln Housing Element

Construction Phase - Construction not modeled

Vehicle Trips - Fehr & Peers provided Trip Rate

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	Population	206.00	187.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	384.25
tblProjectCharacteristics	OperationalYear	2018	2022
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1288	0.0944	6.1127	0.0101		0.7849	0.7849		0.7849	0.7849	74.3730	32.0659	106.4389	0.0695	5.8500e-003	109.9192
Energy	0.0124	0.1061	0.0452	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	236.5755	236.5755	0.0109	4.0300e-003	238.0493
Mobile	0.2300	1.7018	2.9431	0.0122	0.9490	0.0103	0.9593	0.2553	9.6700e-003	0.2650	0.0000	1,124.0026	1,124.0026	0.0387	0.0000	1,124.9705
Waste						0.0000	0.0000		0.0000	0.0000	13.6654	0.0000	13.6654	0.8076	0.0000	33.8553
Water						0.0000	0.0000		0.0000	0.0000	1.4883	6.2283	7.7165	0.1533	3.7100e-003	12.6543
Total	5.3712	1.9024	9.1010	0.0230	0.9490	0.8037	1.7527	0.2553	0.8031	1.0584	89.5266	1,398.8723	1,488.3989	1.0801	0.0136	1,519.4487

Lincoln Meadows (Reduced Intensity Alternative) - 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	5.0910	0.0944	6.1127	0.0101		0.7849	0.7849		0.7849	0.7849	74.3730	32.0659	106.4389	0.0695	5.8500e-003	109.9192
Energy	9.2300e-003	0.0789	0.0336	5.0000e-004		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	202.3514	202.3514	0.0101	3.4100e-003	203.6202
Mobile	0.2226	1.6373	2.7804	0.0114	0.8835	9.6500e-003	0.8931	0.2377	9.0700e-003	0.2467	0.0000	1,052.9111	1,052.9111	0.0371	0.0000	1,053.8388
Waste						0.0000	0.0000		0.0000	0.0000	13.6654	0.0000	13.6654	0.8076	0.0000	33.8553
Water						0.0000	0.0000		0.0000	0.0000	1.4883	6.2283	7.7165	0.1533	3.7100e-003	12.6543
Total	5.3228	1.8106	8.9267	0.0221	0.8835	0.8009	1.6844	0.2377	0.8003	1.0380	89.5266	1,293.5567	1,383.0833	1.0777	0.0130	1,413.8878

	ROG	NOx	CO	SO2	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	0.90	4.82	1.92	4.17	6.90	0.35	3.90	6.90	0.35	1.93	0.00	7.53	7.08	0.22	4.56	6.95

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	4/2/2018	4/1/2018	5	0	

Acres of Grading (Site Preparation Phase): 0

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.22

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

3.2 Site Preparation - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2226	1.6373	2.7804	0.0114	0.8835	9.6500e-003	0.8931	0.2377	9.0700e-003	0.2467	0.0000	1,052.9111	1,052.9111	0.0371	0.0000	1,053.8388
Unmitigated	0.2300	1.7018	2.9431	0.0122	0.9490	0.0103	0.9593	0.2553	9.6700e-003	0.2650	0.0000	1,124.0026	1,124.0026	0.0387	0.0000	1,124.9705

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		
Single Family Housing	685.44	685.44	685.44	2,552,391	2,376,276
Total	685.44	685.44	685.44	2,552,391	2,376,276

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	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.60	21.00	36.40	86	11	3

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142
Other Asphalt Surfaces	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	110.9701	110.9701	8.3800e-003	1.7300e-003	111.6958
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	113.6719	113.6719	8.5800e-003	1.7700e-003	114.4153
NaturalGas Mitigated	9.2300e-003	0.0789	0.0336	5.0000e-004		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	91.3813	91.3813	1.7500e-003	1.6800e-003	91.9243
NaturalGas Unmitigated	0.0124	0.1061	0.0452	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9036	122.9036	2.3600e-003	2.2500e-003	123.6340

Lincoln Meadows (Reduced Intensity Alternative) - 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
Single Family Housing	2.30313e+006	0.0124	0.1061	0.0452	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9036	122.9036	2.3600e-003	2.2500e-003	123.6340
Total		0.0124	0.1061	0.0452	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9036	122.9036	2.3600e-003	2.2500e-003	123.6340

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
Single Family Housing	1.71242e+006	9.2300e-003	0.0789	0.0336	5.0000e-004		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	91.3813	91.3813	1.7500e-003	1.6800e-003	91.9243
Total		9.2300e-003	0.0789	0.0336	5.0000e-004		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	91.3813	91.3813	1.7500e-003	1.6800e-003	91.9243

Lincoln Meadows (Reduced Intensity Alternative) - 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
Single Family Housing	652189	113.6719	8.5800e-003	1.7700e-003	114.4153
Total		113.6719	8.5800e-003	1.7700e-003	114.4153

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
Single Family Housing	636687	110.9701	8.3800e-003	1.7300e-003	111.6958
Total		110.9701	8.3800e-003	1.7300e-003	111.6958

6.0 Area Detail

6.1 Mitigation Measures Area

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- 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	5.0910	0.0944	6.1127	0.0101		0.7849	0.7849		0.7849	0.7849	74.3730	32.0659	106.4389	0.0695	5.8500e-003	109.9192
Unmitigated	5.1288	0.0944	6.1127	0.0101		0.7849	0.7849		0.7849	0.7849	74.3730	32.0659	106.4389	0.0695	5.8500e-003	109.9192

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

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	0.0824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5124					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.5177	0.0882	5.5766	0.0101		0.7819	0.7819		0.7819	0.7819	74.3730	31.1909	105.5639	0.0686	5.8500e-003	109.0230
Landscaping	0.0163	6.1800e-003	0.5361	3.0000e-005		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	0.8750	0.8750	8.5000e-004	0.0000	0.8962
Total	5.1288	0.0944	6.1127	0.0101		0.7849	0.7849		0.7849	0.7849	74.3730	32.0659	106.4389	0.0695	5.8500e-003	109.9192

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.5177	0.0882	5.5766	0.0101		0.7819	0.7819		0.7819	0.7819	74.3730	31.1909	105.5639	0.0686	5.8500e-003	109.0230
Landscaping	0.0163	6.1800e-003	0.5361	3.0000e-005		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	0.8750	0.8750	8.5000e-004	0.0000	0.8962
Total	5.0910	0.0944	6.1127	0.0101		0.7849	0.7849		0.7849	0.7849	74.3730	32.0659	106.4389	0.0695	5.8500e-003	109.9192

7.0 Water Detail

7.1 Mitigation Measures Water

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.7165	0.1533	3.7100e-003	12.6543
Unmitigated	7.7165	0.1533	3.7100e-003	12.6543

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
Single Family Housing	4.69109 / 2.95743	7.7165	0.1533	3.7100e-003	12.6543
Total		7.7165	0.1533	3.7100e-003	12.6543

Lincoln Meadows (Reduced Intensity Alternative) - 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
Single Family Housing	4.69109 / 2.95743	7.7165	0.1533	3.7100e-003	12.6543
Total		7.7165	0.1533	3.7100e-003	12.6543

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.6654	0.8076	0.0000	33.8553
Unmitigated	13.6654	0.8076	0.0000	33.8553

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

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
Single Family Housing	67.32	13.6654	0.8076	0.0000	33.8553
Total		13.6654	0.8076	0.0000	33.8553

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
Single Family Housing	67.32	13.6654	0.8076	0.0000	33.8553
Total		13.6654	0.8076	0.0000	33.8553

9.0 Operational Offroad

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

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summer

Lincoln Meadows (Reduced Intensity Alternative)
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	72.00	Dwelling Unit	23.38	129,600.00	187
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	384.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor adjusted for progress towards RPS

Land Use - Adjusted based on Lincoln Housing Element

Construction Phase - Construction not modeled

Vehicle Trips - Fehr & Peers provided Trip Rate

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	Population	206.00	187.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	384.25
tblProjectCharacteristics	OperationalYear	2018	2022
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Lincoln Meadows (Reduced Intensity Alternative) - 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	113.6283	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305
Energy	0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568
Mobile	1.4941	9.0340	17.7063	0.0715	5.4491	0.0563	5.5054	1.4604	0.0529	1.5133		7,246.9085	7,246.9085	0.2363		7,252.8171
Total	115.1905	11.8360	159.9258	0.3220	5.4491	19.2069	24.6560	1.4604	19.2035	20.6639	1,999.5646	8,838.5591	10,838.1237	2.1062	0.1709	10,941.7044

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	115.3334	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305
Energy	0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287
Mobile	1.4527	8.7041	16.6607	0.0670	5.0731	0.0528	5.1259	1.3596	0.0496	1.4092		6,787.9849	6,787.9849	0.2259		6,793.6335
Total	116.8367	11.3569	158.8167	0.3165	5.0731	19.1913	24.2644	1.3596	19.1881	20.5477	1,999.5646	8,189.2388	10,188.8035	2.0922	0.1674	10,290.9927

Lincoln Meadows (Reduced Intensity Alternative) - 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	-1.43	4.05	0.69	1.70	6.90	0.08	1.59	6.90	0.08	0.56	0.00	7.35	5.99	0.67	2.04	5.95

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	4/2/2018	4/1/2018	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.22

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHTD

3.1 Mitigation Measures Construction

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summer

3.2 Site Preparation - 2018

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summer

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4527	8.7041	16.6607	0.0670	5.0731	0.0528	5.1259	1.3596	0.0496	1.4092		6,787.9849	6,787.9849	0.2259		6,793.6335
Unmitigated	1.4941	9.0340	17.7063	0.0715	5.4491	0.0563	5.5054	1.4604	0.0529	1.5133		7,246.9085	7,246.9085	0.2363		7,252.8171

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		
Single Family Housing	685.44	685.44	685.44	2,552,391	2,376,276
Total	685.44	685.44	685.44	2,552,391	2,376,276

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	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.60	21.00	36.40	86	11	3

Lincoln Meadows (Reduced Intensity Alternative) - 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
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142
Other Asphalt Surfaces	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287
NaturalGas Unmitigated	0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Single Family Housing	6309.94	0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568
Total		0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568

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
Single Family Housing	4.69156	0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287
Total		0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287

6.0 Area Detail

6.1 Mitigation Measures Area

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summer

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- 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	115.3334	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305
Unmitigated	113.6283	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305

Lincoln Meadows (Reduced Intensity Alternative) - 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	0.4517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	110.1884	2.1519	136.0157	0.2464		19.0707	19.0707		19.0707	19.0707	1,999.5646	838.5882	2,838.1529	1.8453	0.1573	2,931.1542
Landscaping	0.1805	0.0687	5.9564	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.7169	10.7169	0.0104		10.9763
Total	113.6283	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3052	2,848.8698	1.8556	0.1573	2,942.1305

Lincoln Meadows (Reduced Intensity Alternative) - 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	0.4517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	110.1884	2.1519	136.0157	0.2464		19.0707	19.0707		19.0707	19.0707	1,999.5646	838.5882	2,838.1529	1.8453	0.1573	2,931.1542
Landscaping	0.1805	0.0687	5.9564	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.7169	10.7169	0.0104		10.9763
Total	115.3334	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3052	2,848.8698	1.8556	0.1573	2,942.1305

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Winter

Lincoln Meadows (Reduced Intensity Alternative)
Placer County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	72.00	Dwelling Unit	23.38	129,600.00	187
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	384.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor adjusted for progress towards RPS

Land Use - Adjusted based on Lincoln Housing Element

Construction Phase - Construction not modeled

Vehicle Trips - Fehr & Peers provided Trip Rate

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	Population	206.00	187.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	384.25
tblProjectCharacteristics	OperationalYear	2018	2022
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Lincoln Meadows (Reduced Intensity Alternative) - 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	113.6283	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305
Energy	0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568
Mobile	1.2302	9.4825	16.6117	0.0658	5.4491	0.0570	5.5061	1.4604	0.0536	1.5140		6,674.1935	6,674.1935	0.2417		6,680.2347
Total	114.9265	12.2845	158.8312	0.3163	5.4491	19.2076	24.6567	1.4604	19.2042	20.6646	1,999.5646	8,265.8440	10,265.4086	2.1115	0.1709	10,369.1219

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	115.3334	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305
Energy	0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287
Mobile	1.1895	9.1150	15.7325	0.0616	5.0731	0.0535	5.1266	1.3596	0.0503	1.4099		6,250.2352	6,250.2352	0.2320		6,256.0349
Total	116.5735	11.7679	157.8885	0.3111	5.0731	19.1921	24.2651	1.3596	19.1888	20.5484	1,999.5646	7,651.4892	9,651.0538	2.0982	0.1674	9,753.3941

Lincoln Meadows (Reduced Intensity Alternative) - 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	-1.43	4.21	0.59	1.62	6.90	0.08	1.59	6.90	0.08	0.56	0.00	7.43	5.98	0.63	2.04	5.94

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	4/2/2018	4/1/2018	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.22

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Winter

3.2 Site Preparation - 2018

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Winter

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1895	9.1150	15.7325	0.0616	5.0731	0.0535	5.1266	1.3596	0.0503	1.4099		6,250.2352	6,250.2352	0.2320		6,256.0349
Unmitigated	1.2302	9.4825	16.6117	0.0658	5.4491	0.0570	5.5061	1.4604	0.0536	1.5140		6,674.1935	6,674.1935	0.2417		6,680.2347

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		
Single Family Housing	685.44	685.44	685.44	2,552,391	2,376,276
Total	685.44	685.44	685.44	2,552,391	2,376,276

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	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.60	21.00	36.40	86	11	3

Lincoln Meadows (Reduced Intensity Alternative) - 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
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142
Other Asphalt Surfaces	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287
NaturalGas Unmitigated	0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568

Lincoln Meadows (Reduced Intensity Alternative) - 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
Single Family Housing	6309.94	0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568
Total		0.0681	0.5815	0.2475	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.3454	742.3454	0.0142	0.0136	746.7568

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
Single Family Housing	4.69156	0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287
Total		0.0506	0.4324	0.1840	2.7600e-003		0.0350	0.0350		0.0350	0.0350		551.9488	551.9488	0.0106	0.0101	555.2287

6.0 Area Detail

6.1 Mitigation Measures Area

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Winter

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- 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	115.3334	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305
Unmitigated	113.6283	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3051	2,848.8698	1.8556	0.1573	2,942.1305

Lincoln Meadows (Reduced Intensity Alternative) - 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	0.4517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	110.1884	2.1519	136.0157	0.2464		19.0707	19.0707		19.0707	19.0707	1,999.5646	838.5882	2,838.1529	1.8453	0.1573	2,931.1542
Landscaping	0.1805	0.0687	5.9564	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.7169	10.7169	0.0104		10.9763
Total	113.6283	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3052	2,848.8698	1.8556	0.1573	2,942.1305

Lincoln Meadows (Reduced Intensity Alternative) - 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	0.4517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	110.1884	2.1519	136.0157	0.2464		19.0707	19.0707		19.0707	19.0707	1,999.5646	838.5882	2,838.1529	1.8453	0.1573	2,931.1542
Landscaping	0.1805	0.0687	5.9564	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.7169	10.7169	0.0104		10.9763
Total	115.3334	2.2205	141.9720	0.2467		19.1036	19.1036		19.1036	19.1036	1,999.5646	849.3052	2,848.8698	1.8556	0.1573	2,942.1305

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Lincoln Meadows (Reduced Intensity Alternative) - Placer County APCD Air District, Summary Report

Lincoln Meadows (Reduced Intensity Alternative)
Placer County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	72.00	Dwelling Unit	23.38	129,600.00	187
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	384.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - CO2 Intensity Factor adjusted for progress towards RPS

Land Use - Adjusted based on Lincoln Housing Element

Construction Phase - Construction not modeled

Vehicle Trips - Fehr & Peers provided Trip Rate

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

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)		
No	Clean Paved Road	% PM Reduction	0.00			

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	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	7.39	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	2.38	2.38	2.33	2.26	2.38
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	3.20	3.79	5.53	6.38	6.22	6.20	0.00	6.32	6.32	4.16	0.00	6.32
Natural Gas	25.68	25.64	25.64	26.47	25.64	25.64	0.00	25.65	25.65	25.85	25.33	25.65
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.09	0.31		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.06	1.21		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.05			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
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	0.07			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
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	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.07		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	100.00
Yes	Use Low VOC Paint (Residential Exterior)	100.00
Yes	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	28.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

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
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
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		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
---------------------	-------------

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
--	--

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

Lincoln Meadows Alternative 2
Placer County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	121.00	Dwelling Unit	39.29	217,800.00	313
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	384.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CO2 Intensity adjusted based on PG&E progress towards RPS
- Land Use - Population adjusted based on Lincoln Housing Element
- Construction Phase - Not Modeled
- Off-road Equipment - Construction not modeled
- Trips and VMT - Construction not modeled
- Vehicle Trips - *
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

Lincoln Meadows Alternative 2
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	121.00	Dwelling Unit	39.29	217,800.00	313
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	384.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CO2 Intensity adjusted based on PG&E progress towards RPS
- Land Use - Population adjusted based on Lincoln Housing Element
- Construction Phase - Not Modeled
- Off-road Equipment - Construction not modeled
- Trips and VMT - Construction not modeled
- Vehicle Trips - *
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	55.00	1.00
tblConstructionPhase	PhaseEndDate	4/1/2018	4/2/2018
tblLandUse	Population	346.00	313.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	384.25
tblProjectCharacteristics	OperationalYear	2018	2022
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Lincoln Meadows Alternative 2 - 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	190.9298	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4
Energy	0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.552 7	1,247.552 7	0.0239	0.0229	1,254.966 3
Mobile	2.5110	15.1821	29.7565	0.1202	9.1575	0.0947	9.2521	2.4542	0.0889	2.5432		12,178.83 24	12,178.83 24	0.3972		12,188.76 21
Total	193.5551	19.8910	268.7575	0.5411	9.1575	32.2783	41.4358	2.4542	32.2726	34.7268	3,360.379 4	14,853.67 52	18,214.05 46	3.5396	0.2872	18,388.12 68

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	192.4937	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4
Energy	0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927
Mobile	2.4414	14.6276	27.9993	0.1126	8.5256	0.0887	8.6143	2.2849	0.0834	2.3682		11,407.58 58	11,407.58 58	0.3797		11,417.07 85
Total	195.0202	19.0859	266.8936	0.5319	8.5256	32.2521	40.7777	2.2849	32.2467	34.5316	3,360.379 4	13,762.45 64	17,122.83 59	3.5160	0.2813	17,294.56 96

Lincoln Meadows Alternative 2 - 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	-0.76	4.05	0.69	1.70	6.90	0.08	1.59	6.90	0.08	0.56	0.00	7.35	5.99	0.67	2.04	5.95

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/2/2018	4/2/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.22

Residential Indoor: 441,045; Residential Outdoor: 147,015; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,795 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	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
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

3.2 Architectural Coating - 2018

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	2,752.5179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2,752.5179	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

3.2 Architectural Coating - 2018

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	2,752.5179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2,752.5179	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4414	14.6276	27.9993	0.1126	8.5256	0.0887	8.6143	2.2849	0.0834	2.3682		11,407.58 58	11,407.58 58	0.3797		11,417.07 85
Unmitigated	2.5110	15.1821	29.7565	0.1202	9.1575	0.0947	9.2521	2.4542	0.0889	2.5432		12,178.83 24	12,178.83 24	0.3972		12,188.76 21

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		
Single Family Housing	1,151.92	1,151.92	1,151.92	4,289,435	3,993,464
Total	1,151.92	1,151.92	1,151.92	4,289,435	3,993,464

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	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.60	21.00	36.40	86	11	3

Lincoln Meadows Alternative 2 - 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
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142
Other Asphalt Surfaces	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927
NaturalGas Unmitigated	0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.5527	1,247.5527	0.0239	0.0229	1,254.9663

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Single Family Housing	10604.2	0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.5527	1,247.5527	0.0239	0.0229	1,254.9663
Total		0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.5527	1,247.5527	0.0239	0.0229	1,254.9663

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
Single Family Housing	7.88444	0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927
Total		0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927

6.0 Area Detail

6.1 Mitigation Measures Area

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- 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	192.4937	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.3794	1,427.2901	4,787.6695	3.1185	0.2643	4,944.3984
Unmitigated	190.9298	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.3794	1,427.2901	4,787.6695	3.1185	0.2643	4,944.3984

Lincoln Meadows Alternative 2 - 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	0.7541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	185.1778	3.6163	228.5819	0.4141		32.0494	32.0494		32.0494	32.0494	3,360.379 4	1,409.294 1	4,769.673 5	3.1011	0.2643	4,925.967 5
Landscaping	0.3028	0.1153	10.0033	5.3000e-004		0.0553	0.0553		0.0553	0.0553		17.9960	17.9960	0.0174		18.4309
Total	190.9298	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4

Lincoln Meadows Alternative 2 - 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	0.7541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2591					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	185.1778	3.6163	228.5819	0.4141		32.0494	32.0494		32.0494	32.0494	3,360.379 4	1,409.294 1	4,769.673 5	3.1011	0.2643	4,925.967 5
Landscaping	0.3028	0.1153	10.0033	5.3000e-004		0.0553	0.0553		0.0553	0.0553		17.9960	17.9960	0.0174		18.4309
Total	192.4937	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Winter

Lincoln Meadows Alternative 2
Placer County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	121.00	Dwelling Unit	39.29	217,800.00	313
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	384.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CO2 Intensity adjusted based on PG&E progress towards RPS
- Land Use - Population adjusted based on Lincoln Housing Element
- Construction Phase - Not Modeled
- Off-road Equipment - Construction not modeled
- Trips and VMT - Construction not modeled
- Vehicle Trips - *
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	55.00	1.00
tblConstructionPhase	PhaseEndDate	4/1/2018	4/2/2018
tblLandUse	Population	346.00	313.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	384.25
tblProjectCharacteristics	OperationalYear	2018	2022
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Lincoln Meadows Alternative 2 - 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	190.9298	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4
Energy	0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.552 7	1,247.552 7	0.0239	0.0229	1,254.966 3
Mobile	2.0674	15.9358	27.9169	0.1106	9.1575	0.0959	9.2533	2.4542	0.0901	2.5443		11,216.35 29	11,216.35 29	0.4061		11,226.50 55
Total	193.1115	20.6447	266.9179	0.5315	9.1575	32.2795	41.4370	2.4542	32.2737	34.7279	3,360.379 4	13,891.19 57	17,251.57 51	3.5485	0.2872	17,425.87 01

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	192.4937	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4
Energy	0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927
Mobile	1.9990	15.3183	26.4393	0.1036	8.5256	0.0899	8.6155	2.2849	0.0845	2.3694		10,503.86 76	10,503.86 76	0.3899		10,513.61 42
Total	194.5778	19.7765	265.3337	0.5229	8.5256	32.2533	40.7789	2.2849	32.2479	34.5327	3,360.379 4	12,858.73 82	16,219.11 77	3.5261	0.2813	16,391.10 53

Lincoln Meadows Alternative 2 - 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	-0.76	4.21	0.59	1.63	6.90	0.08	1.59	6.90	0.08	0.56	0.00	7.43	5.98	0.63	2.04	5.94

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/2/2018	4/2/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.22

Residential Indoor: 441,045; Residential Outdoor: 147,015; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,795 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	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
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Winter

3.2 Architectural Coating - 2018

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	2,752.5179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2,752.5179	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Winter

3.2 Architectural Coating - 2018

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	2,752.5179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	2,752.5179	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Winter

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9990	15.3183	26.4393	0.1036	8.5256	0.0899	8.6155	2.2849	0.0845	2.3694		10,503.8676	10,503.8676	0.3899		10,513.6142
Unmitigated	2.0674	15.9358	27.9169	0.1106	9.1575	0.0959	9.2533	2.4542	0.0901	2.5443		11,216.3529	11,216.3529	0.4061		11,226.5055

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		
Single Family Housing	1,151.92	1,151.92	1,151.92	4,289,435	3,993,464
Total	1,151.92	1,151.92	1,151.92	4,289,435	3,993,464

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	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.60	21.00	36.40	86	11	3

Lincoln Meadows Alternative 2 - 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
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142
Other Asphalt Surfaces	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927
NaturalGas Unmitigated	0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.5527	1,247.5527	0.0239	0.0229	1,254.9663

Lincoln Meadows Alternative 2 - 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
Single Family Housing	10604.2	0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.5527	1,247.5527	0.0239	0.0229	1,254.9663
Total		0.1144	0.9773	0.4159	6.2400e-003		0.0790	0.0790		0.0790	0.0790		1,247.5527	1,247.5527	0.0239	0.0229	1,254.9663

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
Single Family Housing	7.88444	0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927
Total		0.0850	0.7266	0.3092	4.6400e-003		0.0588	0.0588		0.0588	0.0588		927.5806	927.5806	0.0178	0.0170	933.0927

6.0 Area Detail

6.1 Mitigation Measures Area

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Winter

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- 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	192.4937	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.3794	1,427.2901	4,787.6695	3.1185	0.2643	4,944.3984
Unmitigated	190.9298	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.3794	1,427.2901	4,787.6695	3.1185	0.2643	4,944.3984

Lincoln Meadows Alternative 2 - 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	0.7541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	185.1778	3.6163	228.5819	0.4141		32.0494	32.0494		32.0494	32.0494	3,360.379 4	1,409.294 1	4,769.673 5	3.1011	0.2643	4,925.967 5
Landscaping	0.3028	0.1153	10.0033	5.3000e-004		0.0553	0.0553		0.0553	0.0553		17.9960	17.9960	0.0174		18.4309
Total	190.9298	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4

Lincoln Meadows Alternative 2 - 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	0.7541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2591					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	185.1778	3.6163	228.5819	0.4141		32.0494	32.0494		32.0494	32.0494	3,360.379 4	1,409.294 1	4,769.673 5	3.1011	0.2643	4,925.967 5
Landscaping	0.3028	0.1153	10.0033	5.3000e-004		0.0553	0.0553		0.0553	0.0553		17.9960	17.9960	0.0174		18.4309
Total	192.4937	3.7317	238.5852	0.4147		32.1046	32.1046		32.1046	32.1046	3,360.379 4	1,427.290 1	4,787.669 5	3.1185	0.2643	4,944.398 4

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	55.00	1.00
tblConstructionPhase	PhaseEndDate	4/1/2018	4/2/2018
tblLandUse	Population	346.00	313.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	384.25
tblProjectCharacteristics	OperationalYear	2018	2022
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	8.62	9.52

2.0 Emissions Summary

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-2-2018	7-1-2018	0.9830	0.9830
		Highest	0.9830	0.9830

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	8.6140	0.1587	10.2722	0.0170		1.3190	1.3190		1.3190	1.3190	124.9879	53.8874	178.8753	0.1168	9.8300e-003	184.7241
Energy	0.0209	0.1784	0.0759	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	397.5783	397.5783	0.0184	6.7700e-003	400.0550
Mobile	0.3865	2.8600	4.9461	0.0205	1.5948	0.0173	1.6121	0.4290	0.0163	0.4453	0.0000	1,888.9489	1,888.9489	0.0651	0.0000	1,890.5755
Waste						0.0000	0.0000		0.0000	0.0000	22.8730	0.0000	22.8730	1.3518	0.0000	56.6669
Water						0.0000	0.0000		0.0000	0.0000	2.5011	10.4670	12.9681	0.2577	6.2300e-003	21.2663
Total	9.0214	3.1970	15.2941	0.0387	1.5948	1.3507	2.9455	0.4290	1.3497	1.7787	150.3620	2,350.8815	2,501.2435	1.8096	0.0228	2,553.2878

Lincoln Meadows Alternative 2 - 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	8.5504	0.1587	10.2722	0.0170		1.3190	1.3190		1.3190	1.3190	124.9879	53.8874	178.8753	0.1168	9.8300e-003	184.7241
Energy	0.0155	0.1326	0.0564	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	340.0627	340.0627	0.0170	5.7300e-003	342.1950
Mobile	0.3741	2.7515	4.6726	0.0192	1.4848	0.0162	1.5010	0.3994	0.0152	0.4147	0.0000	1,769.4757	1,769.4757	0.0624	0.0000	1,771.0346
Waste						0.0000	0.0000		0.0000	0.0000	22.8730	0.0000	22.8730	1.3518	0.0000	56.6669
Water						0.0000	0.0000		0.0000	0.0000	2.5011	10.4670	12.9681	0.2577	6.2300e-003	21.2663
Total	8.9401	3.0428	15.0011	0.0371	1.4848	1.3459	2.8307	0.3994	1.3450	1.7444	150.3620	2,173.8927	2,324.2547	1.8056	0.0218	2,375.8869

	ROG	NOx	CO	SO2	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	0.90	4.82	1.92	4.11	6.90	0.35	3.90	6.90	0.35	1.93	0.00	7.53	7.08	0.22	4.56	6.95

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/2/2018	4/2/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.22

Residential Indoor: 441,045; Residential Outdoor: 147,015; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,795 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	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
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

3.2 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3763					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.3763	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3741	2.7515	4.6726	0.0192	1.4848	0.0162	1.5010	0.3994	0.0152	0.4147	0.0000	1,769.4757	1,769.4757	0.0624	0.0000	1,771.0346
Unmitigated	0.3865	2.8600	4.9461	0.0205	1.5948	0.0173	1.6121	0.4290	0.0163	0.4453	0.0000	1,888.9489	1,888.9489	0.0651	0.0000	1,890.5755

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		
Single Family Housing	1,151.92	1,151.92	1,151.92	4,289,435	3,993,464
Total	1,151.92	1,151.92	1,151.92	4,289,435	3,993,464

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	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.60	21.00	36.40	86	11	3

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142
Other Asphalt Surfaces	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	186.4914	186.4914	0.0141	2.9100e-003	187.7110
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	191.0319	191.0319	0.0144	2.9800e-003	192.2813
NaturalGas Mitigated	0.0155	0.1326	0.0564	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.5714	153.5714	2.9400e-003	2.8200e-003	154.4840
NaturalGas Unmitigated	0.0209	0.1784	0.0759	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.5463	206.5463	3.9600e-003	3.7900e-003	207.7737

Lincoln Meadows Alternative 2 - 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
Single Family Housing	3.87053e+006	0.0209	0.1784	0.0759	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.5463	206.5463	3.9600e-003	3.7900e-003	207.7737
Total		0.0209	0.1784	0.0759	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.5463	206.5463	3.9600e-003	3.7900e-003	207.7737

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
Single Family Housing	2.87782e+006	0.0155	0.1326	0.0564	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.5714	153.5714	2.9400e-003	2.8200e-003	154.4840
Total		0.0155	0.1326	0.0564	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.5714	153.5714	2.9400e-003	2.8200e-003	154.4840

Lincoln Meadows Alternative 2 - 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
Single Family Housing	1.09604e+006	191.0319	0.0144	2.9800e-003	192.2813
Total		191.0319	0.0144	2.9800e-003	192.2813

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
Single Family Housing	1.06999e+006	186.4914	0.0141	2.9100e-003	187.7110
Total		186.4914	0.0141	2.9100e-003	187.7110

6.0 Area Detail

6.1 Mitigation Measures Area

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- 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	8.5504	0.1587	10.2722	0.0170		1.3190	1.3190		1.3190	1.3190	124.9879	53.8874	178.8753	0.1168	9.8300e-003	184.7241
Unmitigated	8.6140	0.1587	10.2722	0.0170		1.3190	1.3190		1.3190	1.3190	124.9879	53.8874	178.8753	0.1168	9.8300e-003	184.7241

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

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	0.1376					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8569					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.5923	0.1483	9.3719	0.0170		1.3140	1.3140		1.3140	1.3140	124.9879	52.4181	177.4060	0.1153	9.8300e-003	183.2193
Landscaping	0.0273	0.0104	0.9003	5.0000e-005		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	1.4693	1.4693	1.4200e-003	0.0000	1.5048
Total	8.6140	0.1587	10.2722	0.0170		1.3190	1.3190		1.3190	1.3190	124.9879	53.8874	178.8753	0.1168	9.8300e-003	184.7241

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1376					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7933					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.5923	0.1483	9.3719	0.0170		1.3140	1.3140		1.3140	1.3140	124.9879	52.4181	177.4060	0.1153	9.8300e-003	183.2193
Landscaping	0.0273	0.0104	0.9003	5.0000e-005		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	1.4693	1.4693	1.4200e-003	0.0000	1.5048
Total	8.5504	0.1587	10.2722	0.0170		1.3190	1.3190		1.3190	1.3190	124.9879	53.8874	178.8753	0.1168	9.8300e-003	184.7241

7.0 Water Detail

7.1 Mitigation Measures Water

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.9681	0.2577	6.2300e-003	21.2663
Unmitigated	12.9681	0.2577	6.2300e-003	21.2663

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
Single Family Housing	7.88364 / 4.97012	12.9681	0.2577	6.2300e-003	21.2663
Total		12.9681	0.2577	6.2300e-003	21.2663

Lincoln Meadows Alternative 2 - 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
Single Family Housing	7.88364 / 4.97012	12.9681	0.2577	6.2300e-003	21.2663
Total		12.9681	0.2577	6.2300e-003	21.2663

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.8730	1.3518	0.0000	56.6669
Unmitigated	22.8730	1.3518	0.0000	56.6669

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

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
Single Family Housing	112.68	22.8730	1.3518	0.0000	56.6669
Total		22.8730	1.3518	0.0000	56.6669

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
Single Family Housing	112.68	22.8730	1.3518	0.0000	56.6669
Total		22.8730	1.3518	0.0000	56.6669

9.0 Operational Offroad

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

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

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	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

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)	
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	0.00	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	7.42	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	2.38	2.38	2.43	2.35	2.38
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	3.20	3.79	5.53	6.33	6.24	6.22	0.00	6.32	6.32	4.15	0.00	6.32
Natural Gas	25.63	25.65	25.64	25.44	25.66	25.66	0.00	25.65	25.65	25.76	25.59	25.65
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.07	0.27		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.06	1.21		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.05			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
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	0.07			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
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	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.07		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	100.00
Yes	Use Low VOC Paint (Residential Exterior)	100.00
Yes	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	28.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

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
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
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		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
---------------------	-------------

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
--	--

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summary Report

Lincoln Meadows Alternative 2

Placer County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	121.00	Dwelling Unit	39.29	217,800.00	313
Other Asphalt Surfaces	96.59	1000sqft	2.22	96,587.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	384.25	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Lincoln Meadows Alternative 2 - Placer County APCD Air District, Summary Report

Project Characteristics - CO2 Intensity adjusted based on PG&E progress towards RPS

Land Use - Population adjusted based on Lincoln Housing Element

Construction Phase - Not Modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Construction not modeled

Vehicle Trips - *

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Year	Phase	lb/day											
2018	Architectural Coating	2,752.5179 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	2,752.5179 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S
	Peak Daily Total	2,752.5179 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	2,752.5179 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S
	Air District Threshold												
	Exceed Significance?												

Peak Daily Operational Emissions

Peak Daily Operational Emissions

