

Appendix C

Air Quality Modeling

Land Use Assumptions

2040 Development Adjustment

Factor	2015-2040	
Net New Population	4,099	
Net New Households	1,281	
Net New Employment	2,986	
New Buildable Sq Ft	2,598,661	Source: Adjusted from Table 2-39 of Background Report

2016 Master Parcel Data

Residential	DU/Acre Land Use Designations	Total Existing Parcels	Percent of Total
Single Family Land Uses	0.2-6	18,771	87.8%
Mid-Rise Apartments	6.1-13	2,178	10.2%
High Rise Apartments	13.1-Max	419	2.0%

Commercial/Industrial	Land Use Designations	Total Existing Parcels	Percent of Total
Light Industrial	IND, M2, CM	288	33.6%
Heavy Industrial	M3	142	16.6%
Strip Mall	CPD	298	34.7%
Convenience Store	C1	27	3.1%
General Office	TC, CC	88	10.3%
Industrial Park	M1	15	1.7%



Project Buildout - Inputs for CalEEMod

Land Use	Amount	Units
Single-Family Housing	1,125	DU
Condo/Townhome	131	DU
Mid Rise Apartments	25	DU
Light Industrial	423,661	SF
Heavy Industrial	394,643	SF
Strip Mall	284,821	SF
General Office	535,714	SF
Schools	570,982	SF
Medical Office Building	388,839	SF

Annual Construction Development - Inputs for CalEEMod

Land Use	Amount	Units	Notes
Single-Family Housing	56	DU	
Condo/Townhome	7	DU	
Mid Rise Apartments	25	DU	<-- assuming one building with all units
Light Industrial	21,183	SF	
Heavy Industrial	19,732	SF	
Strip Mall	14,241	SF	<-- represents all retail/mixed commercial
General Office	26,786	SF	
Schools	28,549	SF	
Medical Office Building	19,442	SF	

Economic Sector	2012-2040 Growth	UA 2015 Share	UA Job Growth 2015-2040	Assumed Floor-Area Ratio	SQ/Emp	Building SF
Agriculture, Forestry, Fishing and Hunting ²	2,500	51.60%	1,151	n/a	500	575,446
Mining and Quarrying ³	240	15.90%	34	n/a	500	16,964
Utilities	200	32.20%	57	0.2	500	28,571
Construction	5,680	13.30%	676	0.2	500	337,946
Manufacturing	3,800	23.30%	789	0.2	500	394,643
Wholesale Trade	1,330	5.50%	65	0.2	500	32,589
Retail Trade	8,390	0.60%	94	0.4	500	46,875
Transportation and Warehousing	680	8.10%	49	0.2	500	24,554
Information	890	1.80%	14	0.4	300	4,286
Finance and Insurance	-2,330	1.10%	-22	0.4	300	-6,696
Professional, Scientific, and Technical Services	10,920	6.30%	615	0.4	300	184,554
Educational Services ⁴	19,810	6.50%	1142	0.4	500	570,982
Health Care and Social Assistance	30,286	2.90%	778	0.4	500	388,839
Arts, Entertainment, and Recreation	1,965	15.80%	278	0.4	500	138,839
Accommodation and Food Services	8,285	2.70%	198	0.4	500	99,107
Other Services (excluding Public Admin)	5,830	7.70%	399	0.4	500	199,554
Public Administration	4,000	8.60%	308	0.4	500	154,018
Total	102,476	5.60%	6,625			2,598,661

 Manual adjustments
 Remove from count

GHG Inventory -	Unincorporated				Countywide				
	Pop	HH	Emp	Pop	HH	Emp	Pop	HH	Emp
2015	97733	32191	32889	850491	273286	319588			
2016	98068	32191	31838	853,893	273437	359,380			
2020	99755	32446	32988	894,000	283000	371,841			
2025	100335	32702	33772	911,008	291625	382,940			
2030	100918	32959	34556	928,339	300,250	394,040			
2035	101504	33345	34842	946,000	311000	406,068			
2040	101832	33472	35875	961,867	317500	416,239			
2045	102161	33598	36908	978,000	324000	426,409			

Nominal Increase Per Year	104	51	157	3360	1725	2220
Percentage Increase (2020-2040)	2.1%	3.2%	8.8%	7.6%	12.2%	11.9%

Sources:

- Department of Finance
- Ventura County Background Report (p. 2-37)
- VCGPU Alternatives Report, Table-A3
- SCAG Data Map Book - Socioeconomic estimates and projections for the jurisdictions in Ventura County November 2017
- Interpolated from available 2020-2045 data points

Construction Emissions Summary

Construction Schedule

Phase	CalEEMod Default (days)	Adjusted CalEEMod (days)
Site Preparation	10	6
Grading	35	20
Building Construction	370	213
Paving	20	12
Architectural Coating	20	12
Total	455	262
Total Working Days	262	
Start Date	1/1/2020	
End Date	12/31/2020	

	Adjusted CalEEMod (days)	Adjusted Arch Coating (days)	Unmitigated		Mitigated	
			Total ROG CalEEMod Default (lb)	Adjusted ROG (lb/day)	Total ROG CalEEMod Default (lb)	Adjusted ROG (lb/day)
Architectural Coating Adjustment 2/3 building construction + paving + arch coating	12	165	3,030	18	2,452	15

Maximum Daily Emissions - Unmitigated

Phase	ROG (lb/day)	NOX (lb/day)	CO (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Site Prep					
Unmitigated On-Site	4.08	42.42	21.51	20.26	11.95
Unmitigated Off-Site	0.07	0.04	0.50	0.15	0.04
Total	4.14	42.46	22.01	20.41	11.99
Grading					
Unmitigated On-Site	4.45	50.20	31.96	12.84	5.81
Unmitigated Off-Site	0.07	0.04	0.55	0.17	0.04
Total	4.52	50.24	32.51	13.00	5.86
Building					
Unmitigated On-Site	2.12	19.19	16.85	1.12	1.05
Unmitigated Off-Site	0.44	3.52	3.39	0.99	0.28
Total	2.56	22.71	20.24	2.11	1.34
Paving					
Unmitigated On-Site	1.36	14.07	14.65	0.75	0.69
Unmitigated Off-Site	0.05	0.03	0.41	0.12	0.03
Total	1.41	14.10	15.07	0.88	0.73
Arch Coating					
Unmitigated On-Site	263.09	1.68	1.83	0.11	0.11
Unmitigated Off-Site	0.07	0.04	0.50	0.15	0.04
Adjusted	18.35				
Total	18.42	1.72	2.33	0.26	0.15
Construction Daily Maximum	18.4	50.2	32.5	20.4	12.0

Maximum Daily Emissions - Mitigated

Phase	ROG (lb/day)	NOX (lb/day)	CO (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Site Prep					
Unmitigated On-Site	0.47	2.02	20.87	18.13	9.99
Unmitigated Off-Site	0.07	0.04	0.50	0.15	0.04
Total	0.53	2.06	21.37	18.28	10.03
Grading					
Unmitigated On-Site	0.76	3.30	33.00	10.76	3.91
Unmitigated Off-Site	0.07	0.04	0.55	0.17	0.04
Total	0.83	3.34	33.55	10.93	3.96
Building					
Unmitigated On-Site	0.33	2.23	17.46	0.04	0.04
Unmitigated Off-Site	0.44	3.52	3.39	0.99	0.28
Total	0.77	5.76	20.85	1.03	0.33
Paving					
Unmitigated On-Site	0.28	1.22	17.30	0.04	0.04
Unmitigated Off-Site	0.05	0.03	0.41	0.12	0.03
Total	0.34	1.25	17.71	0.16	0.07
Arch Coating					
Unmitigated On-Site	212.90	0.13	1.83	3.96E-03	3.96E-03
Unmitigated Off-Site	0.07	0.04	0.50	0.15	0.04
Adjusted	14.85				
Total	14.92	0.16	2.33	0.15	0.04
Construction Daily Maximum	14.9	5.8	33.6	18.3	10.0

Operational Emissions Summary

Maximum Daily Emissions

Source	ROG (lb/day)	NOX (lb/day)	CO (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Area	118.1315	1.2169	105.4835	0.587	0.587
Energy	1.6259	14.2989	8.8813	1.1234	1.1234
Mobile	16.8281	70.769	387.2252	319.1554	85.8189
Total	136.5855	86.2848	501.59	320.8658	87.5293

CalEEMod VMT Calculator - Default CalEEMod

This calculator was created based on the default trip inputs for the unmitigated CalEEMod run. The calculator calculates the annual VMT from the proposed project using the same methodology from CalEEMod, described in Appendix A, for the UNMITIGATED SCENARIO. This calculator can be used to adjust land use trip rates for the MITIGATED PROJECT scenario which is based on the traffic study conducted for the project

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.500	32.9%	18.0%	49.1%	86.0%	11.0%	3.0%

Total Trips

Total Trips = (TripRate weekday x 5 + Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			Total Trips (weekly)
	weekday	Saturday	Sunday	
Single Family Housing	9.52	9.91	8.62	66.13

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary + link % diverted x 0.25 x length trip primary + link % passby x 0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use

Land Use	link % primary	primary	link % diverted	Constant (0.25)	primary	link % passby	constant	Trip Length
H-W or c-w	86.0%	10.80	11.0%	0.25	10.80	3.0%	0.1	9.6
h-s or c-c	86.0%	7.30	11.0%	0.25	7.30	3.0%	0.1	6.5
h-o or c-o	86.0%	7.50	11.0%	0.25	7.50	3.0%	0.1	6.7

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type table for each land use

Single Family Housing

H-W or c-w	22	9.6	209	
h-s or c-c	12	6.5	77	
h-o or c-o	32	6.7	216	
Total VMT			502	26,103

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT 501.98

Weeks per Year CalEEMod Uses for Annual VMT 52.00

Calculated Annual VMT 26,103

CalEEMod VMT Calculator - Default CalEEMod

This calculator was created based on the default trip inputs for the unmitigated CalEEMod run. The calculator calculates the annual VMT from the proposed project using the same methodology from CalEEMod, described in Appendix A, for the UNMITIGATED SCENARIO. This calculator can be used to adjust land use trip rates for the MITIGATED PROJECT scenario which is based on the traffic study conducted for the project

	2015 (Interpolated)	2040 Net Change	
Annual VMT	1,807,658,790	1,958,059,926	150,401,136

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
Single Family Housing	50.00	44.49	45.000	32.9%	18.0%	49.1%	86.0%	11.0%	3.0%

Total Trips

Total Trips = (TripRate weekday x 5 + Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			Total Trips (weekly)
	weekday	Saturday	Sunday	
Single Family Housing	10000	10000	10000	70000

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary + link % diverted x 0.25 x length trip primary + link % passby x 0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use	link % primary	primary	link % diverted	Constant (0.25)	primary	link % passby	constant	Trip Length
H-W or c-w	86.0%	50.00	11.0%	0.25	50.00	3.0%	0.1	44.4
h-s or c-c	86.0%	44.49	11.0%	0.25	44.49	3.0%	0.1	39.5
h-o or c-o	86.0%	45.00	11.0%	0.25	45.00	3.0%	0.1	39.9

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type table for each land use

Single Family Housing				
H-W or c-w	23,030	44.4	1,022,025	
h-s or c-c	12,600	39.5	497,547	
h-o or c-o	34,370	39.9	1,372,755	
Total VMT			2,892,328	150,401,033

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT 2,892,327.55

Weeks per Year CalEEMod Uses for Annual VMT 52.00

Calculated Annual VMT **150,401,033**

Ventura GPU Construction - Ventura County, Summer

Ventura GPU Construction
Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.79	1000sqft	0.61	26,786.00	0
Medical Office Building	19.44	1000sqft	0.45	19,442.00	0
Elementary School	28.55	1000sqft	0.66	28,549.00	0
General Heavy Industry	19.73	1000sqft	0.45	19,732.00	0
General Light Industry	21.18	1000sqft	0.49	21,183.00	0
Apartments Mid Rise	25.00	Dwelling Unit	0.66	25,000.00	77
Condo/Townhouse	7.00	Dwelling Unit	0.44	7,000.00	21
Single Family Housing	56.00	Dwelling Unit	18.18	100,800.00	171
Strip Mall	14.24	1000sqft	0.33	14,241.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Ventura GPU Construction - Ventura County, Summer

Project Characteristics -

Land Use - Assumed all land uses built out over 20 year planning horizon at steady rate.

Construction Phase - Default construction schedule adjusted proportionally to fit into one year. Assumed no demolition.

Architectural Coating - VCAPCD limits flat coatings to 100 g/L

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - All Tier 4 engines

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblAreaCoating	Area_Nonresidential_Exterior	64967	0
tblAreaCoating	Area_Nonresidential_Interior	194900	0
tblAreaCoating	Area_Residential_Exterior	89640	0
tblAreaCoating	Area_Residential_Interior	268920	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Ventura GPU Construction - Ventura County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	12.00
tblConstructionPhase	NumDays	370.00	213.00
tblConstructionPhase	NumDays	35.00	20.00
tblConstructionPhase	NumDays	20.00	12.00
tblConstructionPhase	NumDays	10.00	6.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	2.68	0.00

Ventura GPU Construction - Ventura County, Summer

tblEnergyUse	LightingElect	2.99	0.00
tblEnergyUse	LightingElect	2.99	0.00
tblEnergyUse	LightingElect	4.34	0.00
tblEnergyUse	LightingElect	4.34	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	LightingElect	5.71	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	1.51	0.00
tblEnergyUse	NT24E	3.83	0.00
tblEnergyUse	NT24E	3.83	0.00
tblEnergyUse	NT24E	4.94	0.00
tblEnergyUse	NT24E	4.94	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	NT24E	2.80	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	NT24NG	1.03	0.00
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	NT24NG	0.55	0.00
tblEnergyUse	NT24NG	0.55	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	179.76	0.00
tblEnergyUse	T24E	172.41	0.00
tblEnergyUse	T24E	1.89	0.00

Ventura GPU Construction - Ventura County, Summer

tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24E	4.71	0.00
tblEnergyUse	T24E	4.71	0.00
tblEnergyUse	T24E	253.73	0.00
tblEnergyUse	T24E	2.93	0.00
tblEnergyUse	T24NG	5,911.46	0.00
tblEnergyUse	T24NG	12,129.63	0.00
tblEnergyUse	T24NG	10.81	0.00
tblEnergyUse	T24NG	14.04	0.00
tblEnergyUse	T24NG	14.04	0.00
tblEnergyUse	T24NG	8.59	0.00
tblEnergyUse	T24NG	8.59	0.00
tblEnergyUse	T24NG	20,288.91	0.00
tblEnergyUse	T24NG	0.95	0.00
tblGrading	AcresOfGrading	50.00	87.50
tblLandUse	LandUseSquareFeet	26,790.00	26,786.00
tblLandUse	LandUseSquareFeet	19,440.00	19,442.00
tblLandUse	LandUseSquareFeet	28,550.00	28,549.00
tblLandUse	LandUseSquareFeet	19,730.00	19,732.00
tblLandUse	LandUseSquareFeet	21,180.00	21,183.00
tblLandUse	LandUseSquareFeet	14,240.00	14,241.00
tblLandUse	LotAcreage	0.62	0.61
tblSolidWaste	SolidWasteGenerationRate	11.50	0.00
tblSolidWaste	SolidWasteGenerationRate	3.22	0.00
tblSolidWaste	SolidWasteGenerationRate	37.12	0.00
tblSolidWaste	SolidWasteGenerationRate	24.47	0.00

Ventura GPU Construction - Ventura County, Summer

tblSolidWaste	SolidWasteGenerationRate	26.26	0.00
tblSolidWaste	SolidWasteGenerationRate	24.91	0.00
tblSolidWaste	SolidWasteGenerationRate	209.95	0.00
tblSolidWaste	SolidWasteGenerationRate	70.11	0.00
tblSolidWaste	SolidWasteGenerationRate	14.95	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	5.67	0.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	4.84	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	5.81	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00

Ventura GPU Construction - Ventura County, Summer

tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	9.52	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	1,628,850.64	0.00
tblWater	IndoorWaterUseRate	456,078.18	0.00
tblWater	IndoorWaterUseRate	827,861.99	0.00
tblWater	IndoorWaterUseRate	4,562,562.50	0.00
tblWater	IndoorWaterUseRate	4,897,875.00	0.00
tblWater	IndoorWaterUseRate	4,761,487.11	0.00
tblWater	IndoorWaterUseRate	2,439,341.65	0.00
tblWater	IndoorWaterUseRate	3,648,625.43	0.00
tblWater	IndoorWaterUseRate	1,054,792.71	0.00
tblWater	OutdoorWaterUseRate	1,026,884.10	0.00
tblWater	OutdoorWaterUseRate	287,527.55	0.00
tblWater	OutdoorWaterUseRate	2,128,787.96	0.00
tblWater	OutdoorWaterUseRate	2,918,330.81	0.00
tblWater	OutdoorWaterUseRate	464,636.50	0.00
tblWater	OutdoorWaterUseRate	2,300,220.38	0.00
tblWater	OutdoorWaterUseRate	646,485.85	0.00

2.0 Emissions Summary

Ventura GPU Construction - Ventura County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.8442	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.8442	0.0841	7.2892	3.8000e-004	0.0000	0.0402	0.0402	0.0000	0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196

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	5.8442	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.8442	0.0841	7.2892	3.8000e-004	0.0000	0.0402	0.0402	0.0000	0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196

Ventura GPU Construction - Ventura County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/8/2020	5	6	
2	Grading	Grading	1/9/2020	2/5/2020	5	20	
3	Building Construction	Building Construction	2/6/2020	11/30/2020	5	213	
4	Paving	Paving	12/1/2020	12/16/2020	5	12	
5	Architectural Coating	Architectural Coating	12/17/2020	1/1/2021	5	12	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 0

Residential Indoor: 268,920; Residential Outdoor: 89,640; Non-Residential Indoor: 194,900; Non-Residential Outdoor: 64,967; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Ventura GPU Construction - Ventura County, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	92.00	31.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Ventura GPU Construction - Ventura County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Ventura GPU Construction - Ventura County, Summer

3.2 Site Preparation - 2020

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	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822
Total	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.4656	2.0175	20.8690	0.0380	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Ventura GPU Construction - Ventura County, Summer

3.2 Site Preparation - 2020

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	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822
Total	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6618	0.0000	10.6618	3.8112	0.0000	3.8112			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	10.6618	2.1739	12.8357	3.8112	2.0000	5.8112		6,005.8653	6,005.8653	1.9424		6,054.4257

Ventura GPU Construction - Ventura County, Summer

3.3 Grading - 2020

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	0.0731	0.0439	0.5527	1.5900e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0700e-003	0.0447		158.7632	158.7632	4.2400e-003		158.8691
Total	0.0731	0.0439	0.5527	1.5900e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0700e-003	0.0447		158.7632	158.7632	4.2400e-003		158.8691

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					10.6618	0.0000	10.6618	3.8112	0.0000	3.8112			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	0.7616	3.3000	32.9991	0.0620	10.6618	0.1015	10.7633	3.8112	0.1015	3.9128	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Ventura GPU Construction - Ventura County, Summer

3.3 Grading - 2020

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	0.0731	0.0439	0.5527	1.5900e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0700e-003	0.0447		158.7632	158.7632	4.2400e-003		158.8691
Total	0.0731	0.0439	0.5527	1.5900e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0700e-003	0.0447		158.7632	158.7632	4.2400e-003		158.8691

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Ventura GPU Construction - Ventura County, Summer

3.4 Building Construction - 2020

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	0.1038	3.3218	0.8488	8.0000e-003	0.2095	0.0199	0.2294	0.0603	0.0190	0.0793		859.9353	859.9353	0.0682		861.6391
Worker	0.3361	0.2019	2.5424	7.3300e-003	0.7558	5.3400e-003	0.7611	0.2005	4.9200e-003	0.2054		730.3105	730.3105	0.0195		730.7978
Total	0.4400	3.5238	3.3912	0.0153	0.9653	0.0252	0.9905	0.2608	0.0240	0.2847		1,590.2458	1,590.2458	0.0876		1,592.4369

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Ventura GPU Construction - Ventura County, Summer

3.4 Building Construction - 2020

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	0.1038	3.3218	0.8488	8.0000e-003	0.2095	0.0199	0.2294	0.0603	0.0190	0.0793		859.9353	859.9353	0.0682		861.6391
Worker	0.3361	0.2019	2.5424	7.3300e-003	0.7558	5.3400e-003	0.7611	0.2005	4.9200e-003	0.2054		730.3105	730.3105	0.0195		730.7978
Total	0.4400	3.5238	3.3912	0.0153	0.9653	0.0252	0.9905	0.2608	0.0240	0.2847		1,590.2458	1,590.2458	0.0876		1,592.4369

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Ventura GPU Construction - Ventura County, Summer

3.5 Paving - 2020

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	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518
Total	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Ventura GPU Construction - Ventura County, Summer

3.5 Paving - 2020

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	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518
Total	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518

3.6 Architectural Coating - 2020

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	212.8998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	213.1420	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Ventura GPU Construction - Ventura County, Summer

3.6 Architectural Coating - 2020

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	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822
Total	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822

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	212.8998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928
Total	212.9296	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928

Ventura GPU Construction - Ventura County, Summer

3.6 Architectural Coating - 2020

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	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822
Total	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822

3.6 Architectural Coating - 2021

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	212.8998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	213.1187	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Ventura GPU Construction - Ventura County, Summer

3.6 Architectural Coating - 2021

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	0.0617	0.0356	0.4597	1.3900e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		138.5980	138.5980	3.4800e-003		138.6850
Total	0.0617	0.0356	0.4597	1.3900e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		138.5980	138.5980	3.4800e-003		138.6850

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	212.8998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	212.9296	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309

Ventura GPU Construction - Ventura County, Summer

3.6 Architectural Coating - 2021

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	0.0617	0.0356	0.4597	1.3900e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		138.5980	138.5980	3.4800e-003		138.6850
Total	0.0617	0.0356	0.4597	1.3900e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		138.5980	138.5980	3.4800e-003		138.6850

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Ventura GPU Construction - Ventura County, Summer

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Condo/Townhouse	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Ventura GPU Construction - Ventura County, Summer

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
Apartments Mid Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Condo/Townhouse	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Single Family Housing	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Condo/Townhouse	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Elementary School	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
General Heavy Industry	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
General Light Industry	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
General Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Medical Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Single Family Housing	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Strip Mall	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Ventura GPU Construction - Ventura County, Summer

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

Ventura GPU Construction - Ventura County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	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
Condo/Townhouse	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
Elementary School	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
General Heavy Industry	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
General Light Industry	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
General Office Building	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
Medical Office Building	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	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
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Ventura GPU Construction - Ventura County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	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
Condo/Townhouse	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
Elementary School	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
General Heavy Industry	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
General Light Industry	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
General Office Building	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
Medical Office Building	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	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
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Ventura GPU Construction - Ventura County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.8442	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196
Unmitigated	5.8442	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6225					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2217	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402		13.1010	13.1010	0.0127		13.4196
Total	5.8442	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196

Ventura GPU Construction - Ventura County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6225					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2217	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402		13.1010	13.1010	0.0127		13.4196
Total	5.8442	0.0841	7.2892	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	13.1010	13.1010	0.0127	0.0000	13.4196

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Ventura GPU Construction - Ventura County, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Ventura GPU 2040 Operation - Ventura County, Summer

Ventura GPU 2040 Operation
Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	535.71	1000sqft	12.30	535,714.00	0
Medical Office Building	388.84	1000sqft	8.93	388,839.00	0
Elementary School	570.98	1000sqft	13.11	570,982.00	0
General Heavy Industry	394.64	1000sqft	9.06	394,643.00	0
General Light Industry	423.66	1000sqft	9.73	423,661.00	0
Apartments Mid Rise	25.00	Dwelling Unit	0.66	25,000.00	77
Condo/Townhouse	131.00	Dwelling Unit	8.19	131,000.00	401
Single Family Housing	1,125.00	Dwelling Unit	365.26	2,025,000.00	3443
Strip Mall	284.82	1000sqft	6.54	284,821.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Ventura GPU 2040 Operation - Ventura County, Summer

Project Characteristics -

Land Use -

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Trips and VMT - Operation only

Grading -

Architectural Coating - Operation only

Vehicle Trips - Mobile emissions modeled separately

Consumer Products -

Area Coating - VCAPCD Rule 74.2 limits general flat coatings to 100 g/L

Landscape Equipment -

Energy Use - 2019 California Energy Code adjustment. Nonresidential to have 30 percent reduction in energy consumption. Residential to have 7 percent reduction in energy consumption plus solar generation for total of 53 percent reduction of electricity.

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,299,330.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,897,990.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,472,175.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	4,416,525.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100

Ventura GPU 2040 Operation - Ventura County, Summer

tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	100
tblConstructionPhase	NumDays	500.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	775.00	0.00
tblConstructionPhase	NumDays	550.00	0.00
tblConstructionPhase	NumDays	550.00	0.00
tblConstructionPhase	NumDays	7,750.00	0.00
tblEnergyUse	T24E	179.76	84.49
tblEnergyUse	T24E	172.41	81.03
tblEnergyUse	T24E	1.89	1.32
tblEnergyUse	T24E	1.63	1.14
tblEnergyUse	T24E	1.63	1.14
tblEnergyUse	T24E	4.71	3.30
tblEnergyUse	T24E	4.71	3.30
tblEnergyUse	T24E	253.73	119.25
tblEnergyUse	T24E	2.93	2.05
tblEnergyUse	T24NG	5,911.46	5,497.66
tblEnergyUse	T24NG	12,129.63	11,280.56
tblEnergyUse	T24NG	10.81	7.57
tblEnergyUse	T24NG	14.04	9.83
tblEnergyUse	T24NG	14.04	9.83
tblEnergyUse	T24NG	8.59	6.01
tblEnergyUse	T24NG	8.59	6.01
tblEnergyUse	T24NG	20,288.91	18,868.69
tblEnergyUse	T24NG	0.95	0.67
tblLandUse	LandUseSquareFeet	535,710.00	535,714.00

Ventura GPU 2040 Operation - Ventura County, Summer

tblLandUse	LandUseSquareFeet	388,840.00	388,839.00
tblLandUse	LandUseSquareFeet	570,980.00	570,982.00
tblLandUse	LandUseSquareFeet	394,640.00	394,643.00
tblLandUse	LandUseSquareFeet	423,660.00	423,661.00
tblLandUse	LandUseSquareFeet	284,820.00	284,821.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	VendorTripNumber	563.00	0.00
tblTripsAndVMT	VendorTripNumber	563.00	0.00
tblTripsAndVMT	VendorTripNumber	563.00	0.00

Ventura GPU 2040 Operation - Ventura County, Summer

tblTripsAndVMT	WorkerTripNumber	1,488.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,488.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,488.00	0.00
tblTripsAndVMT	WorkerTripNumber	298.00	0.00
tblTripsAndVMT	WorkerTripNumber	298.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	5.67	0.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	4.84	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	5.81	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00

Ventura GPU 2040 Operation - Ventura County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	118.1315	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870	0.0000	190.8642	190.8642	0.1826	0.0000	195.4291
Energy	1.6260	14.2995	8.8817	0.0887		1.1234	1.1234		1.1234	1.1234		17,737.7489	17,737.7489	0.3400	0.3252	17,843.1554
Mobile	0.0000	0.0000	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	119.7575	15.5163	114.3652	0.0943	0.0000	1.7104	1.7104	0.0000	1.7104	1.7104	0.0000	17,928.6131	17,928.6131	0.5226	0.3252	18,038.5845

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	118.1315	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870	0.0000	190.8642	190.8642	0.1826	0.0000	195.4291
Energy	1.6260	14.2995	8.8817	0.0887		1.1234	1.1234		1.1234	1.1234		17,737.7489	17,737.7489	0.3400	0.3252	17,843.1554
Mobile	0.0000	0.0000	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	119.7575	15.5163	114.3652	0.0943	0.0000	1.7104	1.7104	0.0000	1.7104	1.7104	0.0000	17,928.6131	17,928.6131	0.5226	0.3252	18,038.5845

Ventura GPU 2040 Operation - Ventura County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/26/2019	9/25/2019	5	0	
2	Site Preparation	Site Preparation	8/26/2021	8/25/2021	5	0	
3	Grading	Grading	10/20/2022	10/19/2022	5	0	
4	Paving	Paving	6/24/2025	6/23/2025	5	0	
5	Architectural Coating	Architectural Coating	8/2/2025	8/1/2025	5	0	
6	Building Construction	Building Construction	10/9/2025	10/8/2025	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Ventura GPU 2040 Operation - Ventura County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Ventura GPU 2040 Operation - Ventura County, Summer

3.7 Building Construction - 2025

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Ventura GPU 2040 Operation - Ventura County, Summer

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Condo/Townhouse	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Ventura GPU 2040 Operation - Ventura County, Summer

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
Apartments Mid Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Condo/Townhouse	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Single Family Housing	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
Condo/Townhouse	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
Elementary School	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
General Heavy Industry	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
General Light Industry	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
General Office Building	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
Medical Office Building	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
Single Family Housing	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719
Strip Mall	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Ventura GPU 2040 Operation - Ventura County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.6260	14.2995	8.8817	0.0887		1.1234	1.1234		1.1234	1.1234		17,737.7489	17,737.7489	0.3400	0.3252	17,843.1554
NaturalGas Unmitigated	1.6260	14.2995	8.8817	0.0887		1.1234	1.1234		1.1234	1.1234		17,737.7489	17,737.7489	0.3400	0.3252	17,843.1554

Ventura GPU 2040 Operation - Ventura County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	754.36	8.1400e-003	0.0695	0.0296	4.4000e-004		5.6200e-003	5.6200e-003		5.6200e-003	5.6200e-003		88.7483	88.7483	1.7000e-003	1.6300e-003	89.2757
Condo/Townhouse	6028.35	0.0650	0.5556	0.2364	3.5500e-003		0.0449	0.0449		0.0449	0.0449		709.2182	709.2182	0.0136	0.0130	713.4327
Elementary School	13453.3	0.1451	1.3190	1.1079	7.9100e-003		0.1002	0.1002		0.1002	0.1002		1,582.7382	1,582.7382	0.0303	0.0290	1,592.1436
General Heavy Industry	18045.5	0.1946	1.7692	1.4861	0.0106		0.1345	0.1345		0.1345	0.1345		2,122.9949	2,122.9949	0.0407	0.0389	2,135.6108
General Light Industry	19372.3	0.2089	1.8993	1.5954	0.0114		0.1443	0.1443		0.1443	0.1443		2,279.0982	2,279.0982	0.0437	0.0418	2,292.6417
General Office Building	9628.17	0.1038	0.9439	0.7929	5.6600e-003		0.0717	0.0717		0.0717	0.0717		1,132.7265	1,132.7265	0.0217	0.0208	1,139.4577
Medical Office Building	6988.45	0.0754	0.6851	0.5755	4.1100e-003		0.0521	0.0521		0.0521	0.0521		822.1705	822.1705	0.0158	0.0151	827.0562
Single Family Housing	75158.3	0.8105	6.9264	2.9474	0.0442		0.5600	0.5600		0.5600	0.5600		8,842.1519	8,842.1519	0.1695	0.1621	8,894.6964
Strip Mall	1342.17	0.0145	0.1316	0.1105	7.9000e-004		0.0100	0.0100		0.0100	0.0100		157.9024	157.9024	3.0300e-003	2.8900e-003	158.8407
Total		1.6260	14.2995	8.8817	0.0887		1.1234	1.1234		1.1234	1.1234		17,737.7489	17,737.7489	0.3400	0.3252	17,843.1554

Ventura GPU 2040 Operation - Ventura County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0.75436	8.1400e-003	0.0695	0.0296	4.4000e-004		5.6200e-003	5.6200e-003		5.6200e-003	5.6200e-003		88.7483	88.7483	1.7000e-003	1.6300e-003	89.2757
Condo/Townhouse	6.02835	0.0650	0.5556	0.2364	3.5500e-003		0.0449	0.0449		0.0449	0.0449		709.2182	709.2182	0.0136	0.0130	713.4327
Elementary School	13.4533	0.1451	1.3190	1.1079	7.9100e-003		0.1002	0.1002		0.1002	0.1002		1,582.7382	1,582.7382	0.0303	0.0290	1,592.1436
General Heavy Industry	18.0455	0.1946	1.7692	1.4861	0.0106		0.1345	0.1345		0.1345	0.1345		2,122.9949	2,122.9949	0.0407	0.0389	2,135.6108
General Light Industry	19.3723	0.2089	1.8993	1.5954	0.0114		0.1443	0.1443		0.1443	0.1443		2,279.0982	2,279.0982	0.0437	0.0418	2,292.6417
General Office Building	9.62817	0.1038	0.9439	0.7929	5.6600e-003		0.0717	0.0717		0.0717	0.0717		1,132.7265	1,132.7265	0.0217	0.0208	1,139.4577
Medical Office Building	6.98845	0.0754	0.6851	0.5755	4.1100e-003		0.0521	0.0521		0.0521	0.0521		822.1705	822.1705	0.0158	0.0151	827.0562
Single Family Housing	75.1583	0.8105	6.9264	2.9474	0.0442		0.5600	0.5600		0.5600	0.5600		8,842.1519	8,842.1519	0.1695	0.1621	8,894.6964
Strip Mall	1.34217	0.0145	0.1316	0.1105	7.9000e-004		0.0100	0.0100		0.0100	0.0100		157.9024	157.9024	3.0300e-003	2.8900e-003	158.8407
Total		1.6260	14.2995	8.8817	0.0887		1.1234	1.1234		1.1234	1.1234		17,737.7489	17,737.7489	0.3400	0.3252	17,843.1554

6.0 Area Detail

6.1 Mitigation Measures Area

Ventura GPU 2040 Operation - Ventura County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	118.1315	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870	0.0000	190.8642	190.8642	0.1826	0.0000	195.4291
Unmitigated	118.1315	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870	0.0000	190.8642	190.8642	0.1826	0.0000	195.4291

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	12.6756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	102.2847					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1712	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870		190.8642	190.8642	0.1826		195.4291
Total	118.1315	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870	0.0000	190.8642	190.8642	0.1826	0.0000	195.4291

Ventura GPU 2040 Operation - Ventura County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	12.6756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	102.2847					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1712	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870		190.8642	190.8642	0.1826		195.4291
Total	118.1315	1.2169	105.4835	5.6000e-003		0.5870	0.5870		0.5870	0.5870	0.0000	190.8642	190.8642	0.1826	0.0000	195.4291

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

Ventura GPU 2040 Operation - Ventura County, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Ventura GPU 2040 VMT - Ventura County, Summer

Ventura GPU 2040 VMT
Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Ventura GPU 2040 VMT - Ventura County, Summer

Project Characteristics -

Land Use -

Construction Phase - Mobile source operation only

Off-road Equipment - Mobile source operation only

Off-road Equipment - Mobile source operation only

Off-road Equipment - Mobile source operation only

Off-road Equipment - Mobile source operation only

Off-road Equipment - Mobile source operation only

Off-road Equipment - Mobile source operation only

Trips and VMT -

Grading -

Architectural Coating - Mobile source operation only

Vehicle Trips - Adjusted trip rates and lengths to match VMT estimates for project

Consumer Products - Mobile source operation only

Area Coating - Mobile source operation only

Landscape Equipment - Mobile source operation only

Energy Use - Mobile source operation only

Water And Wastewater - Mobile source operation only

Solid Waste - Mobile source operation only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,215.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,645.00	0.00
tblAreaCoating	Area_Residential_Exterior	1215	0
tblAreaCoating	Area_Residential_Interior	3645	0
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00

Ventura GPU 2040 VMT - Ventura County, Summer

tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	T24E	253.73	0.00
tblEnergyUse	T24NG	20,288.91	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	1.23	0.00
tblVehicleEF	LDA	0.25	0.26

Ventura GPU 2040 VMT - Ventura County, Summer

tblVehicleEF	LDA	0.36	0.37
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	7.0200e-004	7.2095e-004
tblVehicleEF	LDA	1.0040e-003	1.0311e-003
tblVehicleEF	LDA	6.4600e-004	6.6344e-004
tblVehicleEF	LDA	9.2400e-004	9.4895e-004
tblVehicleEF	LDA	3.3750e-003	3.4054e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.9840e-003	0.01
tblVehicleEF	LDA	4.9050e-003	4.9491e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.28	0.28
tblVehicleEF	LDA	0.29	0.30
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	7.0200e-004	7.2095e-004
tblVehicleEF	LDA	1.0040e-003	1.0311e-003
tblVehicleEF	LDA	6.4600e-004	6.6344e-004
tblVehicleEF	LDA	9.2400e-004	9.4895e-004
tblVehicleEF	LDA	3.5920e-003	3.6243e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	8.6840e-003	8.7622e-003
tblVehicleEF	LDA	5.2220e-003	5.2690e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	9.5080e-003	9.5936e-003

Ventura GPU 2040 VMT - Ventura County, Summer

tblVehicleEF	LDA	0.25	0.26
tblVehicleEF	LDA	0.39	0.40
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	7.0200e-004	7.2095e-004
tblVehicleEF	LDA	1.0040e-003	1.0311e-003
tblVehicleEF	LDA	6.4600e-004	6.6344e-004
tblVehicleEF	LDA	9.2400e-004	9.4895e-004
tblVehicleEF	LDA	3.3090e-003	3.3388e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	4.8090e-003	4.8523e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDT1	0.34	0.35
tblVehicleEF	LDT1	0.57	0.58
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	8.8900e-004	9.1300e-004
tblVehicleEF	LDT1	1.3260e-003	1.3618e-003
tblVehicleEF	LDT1	8.1800e-004	8.4009e-004
tblVehicleEF	LDT1	1.2190e-003	1.2519e-003
tblVehicleEF	LDT1	4.8930e-003	4.9370e-003
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	7.1370e-003	7.2012e-003
tblVehicleEF	LDT1	0.05	0.05

Ventura GPU 2040 VMT - Ventura County, Summer

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.37	0.38
tblVehicleEF	LDT1	0.47	0.48
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	8.8900e-004	9.1300e-004
tblVehicleEF	LDT1	1.3260e-003	1.3618e-003
tblVehicleEF	LDT1	8.1800e-004	8.4009e-004
tblVehicleEF	LDT1	1.2190e-003	1.2519e-003
tblVehicleEF	LDT1	5.2060e-003	5.2529e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	7.5930e-003	7.6613e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.33	0.34
tblVehicleEF	LDT1	0.63	0.65
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	8.8900e-004	9.1300e-004
tblVehicleEF	LDT1	1.3260e-003	1.3618e-003
tblVehicleEF	LDT1	8.1800e-004	8.4009e-004
tblVehicleEF	LDT1	1.2190e-003	1.2519e-003
tblVehicleEF	LDT1	4.7970e-003	4.8402e-003
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	6.9970e-003	7.0600e-003

Ventura GPU 2040 VMT - Ventura County, Summer

tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT2	0.37	0.38
tblVehicleEF	LDT2	0.52	0.54
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	8.1300e-004	8.3495e-004
tblVehicleEF	LDT2	1.1550e-003	1.1862e-003
tblVehicleEF	LDT2	7.4800e-004	7.6820e-004
tblVehicleEF	LDT2	1.0620e-003	1.0907e-003
tblVehicleEF	LDT2	4.8810e-003	4.9249e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	7.1100e-003	7.1740e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.42
tblVehicleEF	LDT2	0.46	0.47
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	8.1300e-004	8.3495e-004
tblVehicleEF	LDT2	1.1550e-003	1.1862e-003
tblVehicleEF	LDT2	7.4800e-004	7.6820e-004
tblVehicleEF	LDT2	1.0620e-003	1.0907e-003
tblVehicleEF	LDT2	5.1930e-003	5.2397e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.02	0.02

Ventura GPU 2040 VMT - Ventura County, Summer

tblVehicleEF	LDT2	7.5660e-003	7.6341e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.38
tblVehicleEF	LDT2	0.56	0.57
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	8.1300e-004	8.3495e-004
tblVehicleEF	LDT2	1.1550e-003	1.1862e-003
tblVehicleEF	LDT2	7.4800e-004	7.6820e-004
tblVehicleEF	LDT2	1.0620e-003	1.0907e-003
tblVehicleEF	LDT2	4.7850e-003	4.8281e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	6.9710e-003	7.0337e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	MDV	0.46	0.47
tblVehicleEF	MDV	0.81	0.84
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	8.8400e-004	9.0787e-004
tblVehicleEF	MDV	1.2690e-003	1.3033e-003
tblVehicleEF	MDV	8.1400e-004	8.3598e-004
tblVehicleEF	MDV	1.1660e-003	1.1975e-003
tblVehicleEF	MDV	6.9650e-003	7.0277e-003
tblVehicleEF	MDV	0.05	0.05

Ventura GPU 2040 VMT - Ventura County, Summer

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.50	0.51
tblVehicleEF	MDV	0.70	0.72
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	8.8400e-004	9.0787e-004
tblVehicleEF	MDV	1.2690e-003	1.3033e-003
tblVehicleEF	MDV	8.1400e-004	8.3598e-004
tblVehicleEF	MDV	1.1660e-003	1.1975e-003
tblVehicleEF	MDV	7.4000e-003	7.4666e-003
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.45	0.46
tblVehicleEF	MDV	0.89	0.91
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	8.8400e-004	9.0787e-004
tblVehicleEF	MDV	1.2690e-003	1.3033e-003
tblVehicleEF	MDV	8.1400e-004	8.3598e-004
tblVehicleEF	MDV	1.1660e-003	1.1975e-003
tblVehicleEF	MDV	6.8320e-003	6.8935e-003

Ventura GPU 2040 VMT - Ventura County, Summer

tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	9.9180e-003	0.01
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.05	0.05
tblVehicleTrips	HO_TL	7.50	45.00
tblVehicleTrips	HS_TL	7.30	44.49
tblVehicleTrips	HW_TL	10.80	50.00
tblVehicleTrips	ST_TR	9.91	10,000.00
tblVehicleTrips	SU_TR	8.62	10,000.00
tblVehicleTrips	WD_TR	9.52	10,000.00
tblWater	IndoorWaterUseRate	65,154.03	0.00
tblWater	OutdoorWaterUseRate	41,075.36	0.00

2.0 Emissions Summary

Ventura GPU 2040 VMT - Ventura County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0410	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	16.8281	70.7690	387.2252	2.3288	318.2347	0.9207	319.1554	84.9634	0.8555	85.8189		237,860.5229	237,860.5229	6.7925		238,030.3363
Total	16.8690	70.7700	387.3074	2.3288	318.2347	0.9212	319.1559	84.9634	0.8559	85.8194	0.0000	237,860.6714	237,860.6714	6.7927	0.0000	238,030.4884

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	0.0410	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	16.8281	70.7690	387.2252	2.3288	318.2347	0.9207	319.1554	84.9634	0.8555	85.8189		237,860.5229	237,860.5229	6.7925		238,030.3363
Total	16.8690	70.7700	387.3074	2.3288	318.2347	0.9212	319.1559	84.9634	0.8559	85.8194	0.0000	237,860.6714	237,860.6714	6.7927	0.0000	238,030.4884

Ventura GPU 2040 VMT - Ventura County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/27/2019	9/26/2019	5	0	
2	Site Preparation	Site Preparation	10/11/2019	10/10/2019	5	0	
3	Grading	Grading	10/12/2019	10/11/2019	5	0	
4	Building Construction	Building Construction	10/16/2019	10/15/2019	5	0	
5	Paving	Paving	3/4/2020	3/3/2020	5	0	
6	Architectural Coating	Architectural Coating	3/11/2020	3/10/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Ventura GPU 2040 VMT - Ventura County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
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
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Ventura GPU 2040 VMT - Ventura County, Summer

3.7 Architectural Coating - 2020

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

4.1 Mitigation Measures Mobile

Ventura GPU 2040 VMT - Ventura County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.8281	70.7690	387.2252	2.3288	318.2347	0.9207	319.1554	84.9634	0.8555	85.8189		237,860.5229	237,860.5229	6.7925		238,030.3363
Unmitigated	16.8281	70.7690	387.2252	2.3288	318.2347	0.9207	319.1554	84.9634	0.8555	85.8189		237,860.5229	237,860.5229	6.7925		238,030.3363

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	10,000.00	10,000.00	10000.00	150,401,033	150,401,033
Total	10,000.00	10,000.00	10,000.00	150,401,033	150,401,033

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	50.00	44.49	45.00	32.90	18.00	49.10	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.615846	0.037969	0.187287	0.094639	0.011484	0.005407	0.021248	0.018966	0.001237	0.001151	0.003599	0.000449	0.000719

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0410	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521
Unmitigated	0.0410	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4600e-003	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1486	0.1486	1.4000e-004		0.1521
Total	0.0410	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521

Ventura GPU 2040 VMT - Ventura County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4600e-003	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1486	0.1486	1.4000e-004		0.1521
Total	0.0410	9.5000e-004	0.0821	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Ventura GPU 2040 VMT - Ventura County, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
