

tblProjectCharacteristics

ProjectName	Location	Sc	EMFAC_1E	WindSpeed	Precipitatic	ClimateZor	Urbanizatic	Operational	UtilityCom	CO2Intens	CH4Intens	N2OIntens	TotalPopul	TotalLotAc	UsingHisto	Constructic	UseAdjusted	EMFACFactors
Roseville II	AD	PCAPCD	2.2	74	2	Rural	2030	Roseville E	295	0.021	0.003	0	55.59	0	2023/01/01	0		

tblPollutants

PollutantSe	PollutantFu	PollutantName
1	Reactive O	ROG
1	Nitrogen O	NOX
1	Carbon Mo	CO
1	Sulfur Diox	SO2
1	Particulate	PM10
1	Particulate	PM2_5
1	Fugitive PM	PM10_FUG
1	Fugitive PM	PM25_FUG
1	Biogenic C	CO2_BIO
1	Non-Bioge	CO2_NBIO
1	Carbon Dic	CO2
1	Methane (C	CH4
1	Nitrous Oxi	N2O
1	CO2 Equiv	CO2E

tblLandUse

LandUseTy	LandUseSt	LandUseUi	LandUseSi	LotAcreage	LandUseSr	Population	BuildingSp	GreenSpac	RecSwimmingArea	AllowEdit
Industrial	Industrial P	2421.6	1000sqft	55.59	2421600	0	2421600	0	0	

## tblConstructionPhase

PhaseNum	PhaseNam	PhaseType	PhaseStart	PhaseEnd	NumDaysV	NumDays	PhaseDescription
1	Site Prepar	Site Prepar	2023/01/01	2023/02/24	5	40	
2	Grading	Grading	2023/02/25	2023/07/28	5	110	
3	Building Cc	Building Cc	2023/07/29	2027/10/29	5	1110	
4	Paving	Paving	2027/10/30	2028/02/11	5	75	
5	Architectur	Paving	2028/02/12	2028/05/26	5	75	

## tblOffRoadEquipment

PhaseNam	OffRoadEq	OffRoadEq	UsageHou	HorsePow	LoadFactor
Site Prepar	Rubber Tir	3	8	247	0.4
Site Prepar	Tractors/Lc	4	8	97	0.37
Grading	Excavators	2	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Rubber Tir	1	8	247	0.4
Grading	Scrapers	2	8	367	0.48
Grading	Tractors/Lc	2	8	97	0.37
Building Cc	Cranes	1	7	231	0.29
Building Cc	Forklifts	3	8	89	0.2
Building Cc	Generator	1	8	84	0.74
Building Cc	Tractors/Lc	3	7	97	0.37
Building Cc	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
Paving	Paving Equ	2	8	132	0.36
Paving	Rollers	2	8	80	0.38
Architectur	Pavers	2	8	130	0.42
Architectur	Paving Equ	2	8	132	0.36
Architectur	Rollers	2	8	80	0.38

tblTripsAndVMT

PhaseName	WorkerTrips	VendorTrips	HaulingTrips	WorkerVeh	VendorVeh	HaulingVeh	VehicleClass
Site Prepar	18	0	0	16.8	6.6	20 LD_Mix	HDT_Mix HHDT
Grading	20	0	0	16.8	6.6	20 LD_Mix	HDT_Mix HHDT
Building Cc	1017	397	0	16.8	6.6	20 LD_Mix	HDT_Mix HHDT
Paving	15	0	0	16.8	6.6	20 LD_Mix	HDT_Mix HHDT
Architectur	15	0	0	16.8	6.6	20 LD_Mix	HDT_Mix HHDT

## tblOnRoadDust

PhaseNam	WorkerPer	VendorPer	HaulingPer	RoadSiltLo	MaterialSilt	MaterialMo	AverageVe	MeanVehicleSpeed
Site Prepar	100	100	100	0.1	8.5	0.5	2.4	40
Grading	100	100	100	0.1	8.5	0.5	2.4	40
Building Cc	100	100	100	0.1	8.5	0.5	2.4	40
Paving	100	100	100	0.1	8.5	0.5	2.4	40
Architectur	100	100	100	0.1	8.5	0.5	2.4	40

tblGrading

PhaseName	MaterialImj	MaterialExp	GradingSiz	ImportExp	MeanVehic	AcresOfGr	MaterialMo	MaterialMo	MaterialSiltContent
Site Prepar	0	0		0	7.1	60	7.9	12	6.9
Grading	0	0		0	7.1	330	7.9	12	6.9



tblVehicleTrips

VehicleTripsLandUseSubType	VehicleTrips	WD_TR	ST_TR	SU_TR	HW_TL	HS_TL	HO_TL	CC_TL	CW_TL	CNW_TL	PR_TP	DV_TP	PB_TP	HW_TTP	HS_TTP	HO_TTP	CC_TTP	CW_TTP	CNW_TTP
Industrial Park	1000sqft	2.9	2.9	2.9	0	0	0	6.6	14.7	6.6	79	19	2	0	0	0	28	59	13



## tblVehicleEF

S	TOG_RUN	0.008684	0.021078	0.009919	0.014845	0.117189	0.132783	0.018357	0.021541	0.077755	0.668003	1.345627	0.069979	0.080684
S	TOG_RUN	0.211048	0.456016	0.207433	0.273269	0.135483	0.048675	0.02402	0.000042	0.076493	0.026627	4.229107	0.119699	0.1377
S	TOG_STR	0.204616	0.366559	0.246962	0.313605	0.079477	0.035454	0.036957	0	0.113455	0.164698	1.237549	0.013966	0.084016
S	N2O_IDLE	0	0	0	0	0.010864	0.024636	0.282305	2.30768	0.119587	0	0	0.34879	0
S	N2O_RUN	0.003401	0.005168	0.003901	0.005589	0.049472	0.090526	0.152898	0.224747	0.130911	0.156336	0.035909	0.138956	0.076579
S	N2O_STR	0.027415	0.033344	0.031577	0.033309	0.02519	0.012167	0.004766	0	0.017294	0.027022	0.007536	0.002199	0.032357
W	CH4_IDLE	0	0	0	0	0.060129	0.031711	0.055333	0.364722	0.129786	0	0	0.097598	0
W	CH4_RUN	0.001514	0.003095	0.001747	0.002327	0.006727	0.005902	0.001319	0.006542	0.005413	0.623649	0.172699	0.004101	0.006504
W	CH4_STR	0.061826	0.096837	0.074145	0.087302	0.017047	0.007822	0.007452	0	0.022638	0.045624	0.224281	0.003395	0.023018
W	CO_IDLE	0	0	0	0	2.485559	1.688996	9.859003	107.1234	7.738671	0	0	7.625402	0
W	CO_RUNE	0.566659	0.878903	0.620591	0.719402	0.730876	0.467557	0.125416	0.0905	0.478333	8.100508	13.53025	0.372477	0.422917
W	CO_STRE	3.054086	5.150986	3.566911	3.936804	1.987301	0.943872	0.849931	0.000619	2.571343	4.032703	10.49736	0.512186	1.958372
W	CO2_NBIC	0	0	0	0	122.5532	187.7576	1912.437	15077	986.9572	0	0	2162.032	0
W	CO2_NBIC	252.3394	302.4521	313.2289	386.8294	731.9899	794.1471	1173.539	1425.466	1430.785	1232.62	192.4046	1041.794	1610.128
W	CO2_NBIC	64.00124	81.36321	80.33356	97.96865	14.64549	6.882561	7.301236	0.005894	19.18393	35.35843	53.33941	2.308263	18.65413
W	NOx_IDLE	0	0	0	0	0.890289	1.356077	10.42327	91.5117	3.333604	0	0	21.62892	0
W	NOx_RUN	0.032748	0.073104	0.04052	0.061784	0.852389	0.862647	0.625445	1.507316	1.107598	0.257116	0.636756	2.776856	1.817412
W	NOx_STR	0.230527	0.352849	0.283727	0.34234	0.341477	0.164377	1.337527	2.609575	0.786595	0.320807	0.14749	0.435693	0.32708
W	PM10_IDLE	0	0	0	0	0.012141	0.020134	0.008413	0.040348	0.004457	0	0	0.020354	0
W	PM10_PM	0.008154	0.009972	0.009677	0.009936	0.078	0.091	0.04519	0.080844	0.051514	0.108573	0.012	0.044917	0.044967
W	PM10_PM	0.008	0.008	0.008	0.008	0.009871	0.011017	0.012	0.035623	0.012	0.022772	0.004	0.01103	0.013562
W	PM10_RUI	0.001014	0.001341	0.001065	0.001159	0.019901	0.025645	0.005376	0.028534	0.020531	0.002919	0.002029	0.016737	0.041138
W	PM10_STF	0.001632	0.002314	0.001698	0.001779	0.000142	0.000043	0.000083	0	0.000185	0.000296	0.003169	0.000021	0.000189
W	PM25_IDLE	0	0	0	0	0.001043	0.001511	0.000178	0.003286	0.000141	0	0	0.003106	0
W	PM25_PM	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586	0.026155	0.05586	0.047381	0.00504	0.3192	0.05586
W	PM25_PM	0.002	0.002	0.002	0.002	0.002536	0.002743	0.003	0.008895	0.003	0.004622	0.001	0.002802	0.003343
W	PM25_RUI	0.000825	0.000941	0.000913	0.000964	0.012002	0.016485	0.006401	0.023852	0.007694	0.003649	0.001904	0.029323	0.033021
W	PM25_STF	0.001158	0.001401	0.001255	0.001278	0.000177	0.000077	0.000052	0	0.000183	0.000249	0.002539	0.000038	0.000163
W	ROG_DIUI	1.161293	2.30353	1.164098	1.508485	1.292423	0.560783	0.310378	0.00038	2.081848	0.13248	4.273316	0.104546	2.170698
W	ROG_HTS	0.060927	0.126083	0.058437	0.074135	0.019612	0.007937	0.003184	0.000006	0.01927	0.008433	3.132526	0.004577	4.615602
W	ROG_IDLE	0	0	0	0	0.258544	0.180263	0.336503	6.557089	0.691906	0	0	0.547456	0
W	ROG_RES	0.005409	0.011153	0.012577	0.016779	0.00024	0.000109	0.000026	0	0.000252	0.00016	0.102288	0.000047	0.065328
W	ROG_RUN	0.005411	0.013158	0.006182	0.009286	0.097992	0.115606	0.014714	0.013701	0.062564	0.037434	1.153946	0.058201	0.06523
W	ROG_RUN	0.204946	0.444871	0.201705	0.266662	0.132858	0.047786	0.023547	0.00004	0.076105	0.025691	4.274177	0.120195	0.135273
W	ROG_STR	0.273759	0.494269	0.329921	0.41971	0.083221	0.037092	0.038974	0	0.120355	0.19645	1.713603	0.01914	0.089238
W	SO2_IDLE	0	0	0	0	0.000086	0.000134	0.000638	0.012662	0.000855	0	0	0.002963	0
W	SO2_RUN	0.001947	0.00236	0.002434	0.003029	0.006782	0.006653	0.008626	0.011025	0.013182	0.010975	0.002123	0.009519	0.013686
W	SO2_STR	0.000425	0.000527	0.000552	0.000669	0.000089	0.000056	0.000044	0	0.000185	0.000238	0.000656	0.000027	0.000151
W	TOG_DIUI	1.161293	2.30353	1.164098	1.508485	1.292423	0.560783	0.310378	0.00038	2.081848	0.13248	4.273316	0.104546	2.170698
W	TOG_HTS	0.060927	0.126083	0.058437	0.074135	0.019612	0.007937	0.003184	0.000006	0.01927	0.008433	3.132526	0.004577	4.615602
W	TOG_IDLE	0	0	0	0	0.361519	0.237403	0.442426	7.525209	0.934918	0	0	0.747953	0
W	TOG_RES	0.005409	0.011153	0.012577	0.016779	0.00024	0.000109	0.000026	0	0.000252	0.00016	0.102288	0.000047	0.065328
W	TOG_RUN	0.007887	0.0192	0.009001	0.013486	0.115796	0.132494	0.017938	0.021538	0.076111	0.667758	1.387562	0.069022	0.07902
W	TOG_RUN	0.204946	0.444871	0.201705	0.266662	0.132858	0.047786	0.023547	0.00004	0.076105	0.025691	4.274177	0.120195	0.135273
W	TOG_STR	0.299731	0.541163	0.361222	0.459529	0.091117	0.040611	0.042671	0	0.131773	0.215088	1.862937	0.020956	0.097704
W	N2O_IDLE	0	0	0	0	0.010786	0.024598	0.289512	2.376491	0.122654	0	0	0.328823	0
W	N2O_RUN	0.004246	0.006459	0.004832	0.006721	0.05007	0.090754	0.153166	0.224749	0.131926	0.157028	0.042751	0.139836	0.078413
W	N2O_STR	0.031177	0.037831	0.035751	0.037724	0.027875	0.013457	0.005251	0	0.0191	0.029283	0.008401	0.002479	0.035088

tblRoadDust

RoadPerce	RoadSiltLo	MaterialSilt	MaterialMo	MobileAver	MeanVehic	CARB_PM_VMT
100	0.1	4.3	0.5	2.4	40	0

tblConsumerProducts

ROG_EF	ROG_EF_I	ROG_EF_Pesticides	Fertilizers
2.14E-05	3.54E-07	5.15E-08	

tblAreaCoating

Area_EF_F	Area_Resir	Area_EF_F	Area_Resir	Area_EF_1	Area_Nonr	Area_EF_1	Area_Nonr	Reapplicati	Area_EF_F	Area_Parking
100	0	100	0	100	3632400	100	1210800	10	100	0

tblEnergyUse

EnergyUse	T24E	NT24E	LightingEle	T24NG	NT24NG
Industrial P	2.87	3.62	3.17	15.83	0.47

tblWater

WaterLanc	WaterLanc	IndoorWat	OutdoorW:	ElectricityLr	ElectricityLr	ElectricityLr	ElectricityLr	SepticTank	AerobicPe	Anaerobic	AnaDigest	AnaDigest	CogenComb	DigestGas	Percent
Industrial F	1000sqft	5.6E+08	0	2117	111	1272	1911	10.33	87.46	2.21	100	0			



tblSolidWaste

SolidWaste	SolidWaste	SolidWaste	LandfillNoC	LandfillCap	LandfillCapture	GasEnergyRecovery
Industrial P 1000sqft		3002.78	6	94	0	

tblOperationalOffRoadEquipment

OperOffRo	OperOffRo	OperHours	OperDaysF	OperHorse	OperLoadF	OperFuelType
Forklifts	15	8	260	89	0.2	Diesel
Generator	5	8	13	84	0.74	Diesel
Off-Highwa	2	8	260	402	0.38	Diesel

tblFleetMix

FleetMixLa LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
Industrial F	0.34	0.33	0.33	0	0	0	0	0	0	0	0	0	0

SubModule	Phase	Narr	Season	Remarks
1				The intensity factor was scaled using Roseville Electric's 2019 power mix and its CalEEMod default intensity factor. This model run evaluates operational emissions only.
3				This run estimates operational emissions from full buildout only
4				This run estimates operational emissions from full buildout only
5	Architectural Coating			
5	Building Construction - 2			
5	Building Construction - 3			
5	Building Construction - 4			
5	Paving			
6				
9				
12				Updated trip rate from traffic analysis
13	A			EMFAC EF 2021
13	S			EMFAC EF 2021
13	W			EMFAC EF 2021
14				
15				
17				
18				
19				
20				
21				
22				
23				
24				
29				
34				Off highway trucks are used to represent yard trucks; Diesel generators are assumed to have 5% usage only.
35				This run evaluates mobile emissions from passenger vehicles (LDA, LDT1, LDT2)
36				
37				
38				
39				
40				