

APPENDIX A

Air Quality and GHG modeling data

Existing

tblProjectCharacteristics

ProjectName	LocationScope	EMFAC_ID	WindSpeed	PrecipitationFrequency	ClimateZone	UrbanizationLevel	OperationalYear	UtilityCompany	CO2IntensityFactor	CH4IntensityFactor	N2OIntensityFactor	TotalPopulation	TotalLotAcreage	UsingHistoricalEnergyUseData	ConstructionPhaseStartDate
350 Fig SCEA - Existing C	LASC		2.2	33	11	Urban	2019	Los Angeles Department of Water & Power	1227.89	0.029	0.006	0	0.68	0	2019/02/15

tblPollutants

PollutantSelection	PollutantFullName	PollutantName
1	Reactive Organic Gases (ROG)	ROG
1	Nitrogen Oxides (NOx)	NOX
1	Carbon Monoxide (CO)	CO
1	Sulfur Dioxide (SO2)	SO2
1	Particulate Matter 10um (PM10)	PM10
1	Particulate Matter 2.5um (PM2.5)	PM2_5
1	Fugitive PM10um (PM10)	PM10_FUG
1	Fugitive PM2.5um (PM2.5)	PM25_FUG
1	Biogenic Carbon Dioxide (CO2)	CO2_BIO
1	Non-Biogenic Carbon Dioxide (CO2)	CO2_NBIO
1	Carbon Dioxide (CO2)	CO2
1	Methane (CH4)	CH4
1	Nitrous Oxide (N2O)	N2O
1	CO2 Equivalent GHGs (CO2e)	CO2E

tblLandUse

LandUseType	LandUseSubType	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet	Population	BuildingSpaceSquareFeet	GreenSpaceAllowEdit	RecSwimmingAreaAllowEdit
Commercial	General Office Building	29.5	1000sqft	0.68	29500	0	29500	0	0

tblConstructionPhase

PhaseNumber	PhaseName	PhaseType	PhaseStartDate	PhaseEndDate	NumDaysWeek	NumDays	PhaseDescription
1	Demolition	Demolition	2019/02/15	2019/02/14	5	0	

tblOffRoadEquipment

PhaseName	OffRoadEquipmentType	OffRoadEquipmentUnitAmount	UsageHours	HorsePower	LoadFactor
Demolition	Concrete/Industrial Saws	0	8	81	0.73
Demolition	Rubber Tired Dozers	1	1	247	0.4
Demolition	Tractors/Loaders/Backhoes	2	6	97	0.37

tblTripsAndVMT

PhaseName	WorkerTripNumber	VendorTripNumber	HaulingTripNumber	WorkerTripLength	VendorTripLength	HaulingTripLength	WorkerVehicleClass	VendorVehicleClass	HaulingVehicleClass
Demolition	0	0	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT

tblOnRoadDust

PhaseName	WorkerPercentPave	VendorPercentPave	HaulingPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	AverageVehicleWeight	MeanVehicleSpeed
Demolition	100	100	100	0.1	8.5	0.5	2.4	40

tblDemolition

PhaseName	DemolitionSizeMetric	DemolitionUnitAmount
Demolition		

tblGrading

PhaseName MaterialImported MaterialExported GradingSizeMetric ImportExportPhased MeanVehicleSpeed AcresOfGrading MaterialMoistureContentBulldozing MaterialMoistureContentTruckLoading MaterialSiltContent

tblArchitecturalCoating

PhaseName ArchitecturalCoatingStartDate ArchitecturalCoatingEndDate EF_Residential_Interior ConstArea_Residential_Interior EF_Residential_Exterior ConstArea_Residential_Exterior EF_Nonresidential_Interior ConstArea_Nonresidential_Interior EF_Nonresidential_Exterior ConstArea_Nonresidential_Exterior EF_Parking ConstArea_Parking

tblPaving

ParkingLotAcreage

tblVehicleTrips

VehicleTripsLandUseSubType	VehicleTripsLandUseSizeMetric	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
General Office Building	1000sqft	7.29	7.29	7.29	0	0	0	8.4	16.6	6.9	77	19	4	0	0	0	48	33	19

tblVehicleEF

Season	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	CH4_IDLEX	0	0	0	0	0.00664	0.004925	0.01719	0.731548	0.012996	0	0	0.882161	0
A	CH4_RUNEX	0.007354	0.021368	0.009726	0.018491	0.017333	0.006898	0.011718	0.094616	0.011654	3.096416	0.521992	0.015606	0.046378
A	CH4_STREX	0.008279	0.020272	0.009672	0.02049	0.025852	0.013021	0.063691	0.112397	0.032982	0.048647	0.153385	0.075042	0.036702
A	CO_IDLEX	0	0	0	0	0.162176	0.138676	0.490492	3.041526	0.294999	0	0	7.696214	0
A	CO_RUNEX	0.828423	2.22786	1.078956	1.931718	1.202072	0.528881	0.801973	1.182999	0.781881	13.06387	19.856167	0.906866	4.377953
A	CO_STREX	1.593557	3.81616	1.905844	3.428808	3.553637	1.863316	8.206656	3.672362	6.486286	8.838088	9.606652	7.805483	7.911542
A	CO2_NBIO_IDL	0	0	0	0	8.86904	13.49157	132.9259	4761.382	109.4969	0	0	1169.808	0
A	CO2_NBIO_RU	307.3957	369.3007	420.0032	556.8784	632.5689	644.759	1162.433	1699.589	1279.87	2035.512	186.86576	1109.007	1144.863
A	CO2_NBIO_ST	63.18679	74.64036	85.52107	111.9222	37.18389	31.23454	66.83717	11.15025	69.62274	83.17972	45.762337	50.38064	66.54282
A	NOX_IDLEX	0	0	0	0	0.067535	0.10043	0.989738	24.36072	0.695655	0	0	11.35736	0
A	NOX_RUNEX	0.071617	0.2126	0.115153	0.216813	1.247337	1.02914	2.529331	4.955658	2.305001	12.51507	1.135675	5.336183	1.351176
A	NOX_STREX	0.105818	0.222179	0.170107	0.321979	1.180127	0.716421	9.822824	19.5871	2.684312	16.33027	0.309622	13.04715	0.947101
A	PM10_IDLEX	0	0	0	0	0.000771	0.00117	0.003774	0.030306	0.00038	0	0	0.01388	0
A	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034	0.060866	0.13034	0.648425	0.01176	0.7448	0.13034
A	PM10_PMTW	0.008	0.008	0.008	0.008	0.009794	0.010463	0.012	0.035329	0.012	0.012	0.004	0.010796	0.012765
A	PM10_RUNEX	0.002351	0.004179	0.002186	0.002519	0.009846	0.010286	0.067199	0.024048	0.011554	0.165341	0.002237	0.03046	0.022759
A	PM10_STREX	0.002388	0.003974	0.002347	0.002697	0.001319	0.000624	0.001023	0.000133	0.000805	0.000947	0.004215	0.000721	0.001969
A	PM25_IDLEX	0	0	0	0	0.000738	0.00112	0.00361	0.028995	0.000363	0	0	0.01328	0
A	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586	0.026086	0.05586	0.277896	0.00504	0.3192	0.05586
A	PM25_PMTW	0.002	0.002	0.002	0.002	0.002449	0.002616	0.003	0.008832	0.003	0.003	0.001	0.002699	0.003191
A	PM25_RUNEX	0.002169	0.00385	0.00201	0.002326	0.009387	0.009824	0.064286	0.023008	0.01104	0.15816	0.002095	0.029127	0.021715
A	PM25_STREX	0.002196	0.003656	0.002159	0.002484	0.001217	0.000574	0.000942	0.000124	0.000742	0.000872	0.003983	0.000663	0.001833
A	ROG_DIURN	0.051459	0.15527	0.054585	0.074857	0.003623	0.001584	0.001457	0.000139	0.001543	0.004203	1.078678	0.003572	1.296564
A	ROG_HTSK	0.130856	0.324597	0.127997	0.175321	0.116455	0.053419	0.05536	0.006686	0.018333	0.07225	0.679352	0.030179	0.090545
A	ROG_IDLEX	0	0	0	0	0.019157	0.016324	0.036859	0.765246	0.042607	0	0	0.933272	0
A	ROG_RESTL	0.046329	0.125138	0.052581	0.075359	0.002117	0.000959	0.00089	0.000101	0.000792	0.002312	0.668451	0.001667	0.535186
A	ROG_RUNEX	0.018646	0.054697	0.024654	0.059287	0.080186	0.055765	0.139002	0.169564	0.079841	1.035607	2.648491	0.123828	0.159303
A	ROG_RUNLS	0.046063	0.20428	0.070953	0.096087	0.336115	0.123339	0.027196	0.000581	0.040544	0.021129	0.658091	0.016308	0.023253
A	ROG_STREX	0.111659	0.273435	0.130457	0.276566	0.348813	0.175631	0.502763	0.115802	0.410287	0.656211	2.09266	0.408377	0.496653
A	SO2_IDLEX	0	0	0	0	0.00009	0.000133	0.001282	0.044089	0.001057	0	0	0.01142	0
A	SO2_RUNEX	0.003081	0.003723	0.00421	0.005588	0.006235	0.006296	0.011171	0.0157	0.012453	0.010266	0.002273	0.01068	0.011418
A	SO2_STREX	0.000659	0.000814	0.000888	0.00118	0.000438	0.000347	0.000813	0.000173	0.00081	0.000991	0.000676	0.000639	0.000805
A	TOG_DIURN	0.051459	0.15527	0.054585	0.074857	0.003623	0.001584	0.001457	0.000139	0.001543	0.004203	1.078678	0.003572	1.296564
A	TOG_HTSK	0.130856	0.324597	0.127997	0.175321	0.116455	0.053419	0.05536	0.006686	0.018333	0.07225	0.679352	0.030179	0.090545
A	TOG_IDLEX	0	0	0	0	0.026962	0.02232	0.049447	0.891635	0.057475	0	0	1.342864	0
A	TOG_RESTL	0.046329	0.125138	0.052581	0.075359	0.002117	0.000959	0.00089	0.000101	0.000792	0.002312	0.668451	0.001667	0.535186
A	TOG_RUNEX	0.027036	0.07903	0.035721	0.080589	0.103335	0.067324	0.162953	0.28024	0.097991	4.253143	3.268234	0.149808	0.213955
A	TOG_RUNLS	0.046063	0.20428	0.070953	0.096087	0.336115	0.123339	0.027196	0.000581	0.040544	0.021129	0.658091	0.016308	0.023253
A	TOG_STREX	0.122247	0.299348	0.142825	0.302666	0.381806	0.192276	0.550409	0.126704	0.449121	0.718382	2.277122	0.447121	0.54279
S	CH4_IDLEX	0	0	0	0	0.00664	0.004925	0.016161	0.69019	0.012953	0	0	0.88177	0

tblVehicleEF

S	CH4_RUNEX	0.007797	0.022415	0.010286	0.019442	0.017752	0.00701	0.011862	0.09466	0.011862	3.100084	0.510458	0.015868	0.047931
S	CH4_STREX	0.007344	0.017885	0.008596	0.018165	0.024861	0.012545	0.06115	0.107737	0.031628	0.044428	0.136245	0.06669	0.035001
S	CO_IDLEX	0	0	0	0	0.162176	0.138676	0.356598	2.219346	0.277306	0	0	7.553508	0
S	CO_RUNEX	0.909749	2.400886	1.178343	2.070164	1.219412	0.534393	0.81029	1.189589	0.793568	13.11195	19.080737	0.921464	4.416126
S	CO_STREX	1.359868	3.233442	1.628031	2.93954	3.387383	1.778722	7.791992	3.490659	6.129678	7.652484	8.805143	6.328709	7.463663
S	CO2_NBIO_IDL	0	0	0	0	8.86904	13.49157	140.7858	5040.707	114.9939	0	0	1224.545	0
S	CO2_NBIO_RU	321.725	385.3091	438.87	581.37	632.5689	644.759	1162.433	1699.589	1279.87	2035.512	186.86576	1109.007	1144.863
S	CO2_NBIO_ST	63.18679	74.64036	85.52107	111.9222	37.18389	31.23454	66.83717	11.15025	69.62274	83.17972	45.762337	50.38064	66.54282
S	NOX_IDLEX	0	0	0	0	0.067535	0.10043	1.021582	25.13409	0.717957	0	0	11.72034	0
S	NOX_RUNEX	0.062964	0.185441	0.100967	0.19005	1.167373	0.969313	2.381998	4.687552	2.167615	11.80111	0.990338	5.030353	1.235883
S	NOX_STREX	0.09793	0.205657	0.157445	0.298069	1.129973	0.687456	9.771786	19.57381	2.637717	16.28208	0.293041	13.01579	0.904068
S	PM10_IDLEX	0	0	0	0	0.000771	0.00117	0.003181	0.026289	0.00032	0	0	0.011701	0
S	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034	0.060866	0.13034	0.648425	0.01176	0.7448	0.13034
S	PM10_PMTW	0.008	0.008	0.008	0.008	0.009794	0.010463	0.012	0.035329	0.012	0.012	0.004	0.010796	0.012765
S	PM10_RUNEX	0.002351	0.004179	0.002186	0.002519	0.009846	0.010286	0.067199	0.024048	0.011554	0.165341	0.002237	0.03046	0.022759
S	PM10_STREX	0.002388	0.003974	0.002347	0.002697	0.001319	0.000624	0.001023	0.000133	0.000805	0.000947	0.004215	0.000721	0.001969
S	PM25_IDLEX	0	0	0	0	0.000738	0.00112	0.003044	0.025152	0.000306	0	0	0.011195	0
S	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586	0.026086	0.05586	0.277896	0.00504	0.3192	0.05586
S	PM25_PMTW	0.002	0.002	0.002	0.002	0.002449	0.002616	0.003	0.008832	0.003	0.003	0.001	0.002699	0.003191
S	PM25_RUNEX	0.002169	0.00385	0.00201	0.002326	0.009387	0.009824	0.064286	0.023008	0.01104	0.15816	0.002095	0.029127	0.021715
S	PM25_STREX	0.002196	0.003656	0.002159	0.002484	0.001217	0.000574	0.000942	0.000124	0.000742	0.000872	0.003983	0.000663	0.001833
S	ROG_DIURN	0.080496	0.243151	0.085343	0.117308	0.005451	0.002365	0.002194	0.000215	0.002263	0.005986	1.756543	0.005273	1.923384
S	ROG_HTSK	0.13605	0.340354	0.133197	0.1814	0.12023	0.055164	0.057353	0.006839	0.018817	0.073212	0.741265	0.030938	0.091679
S	ROG_IDLEX	0	0	0	0	0.019157	0.016324	0.03468	0.722446	0.041767	0	0	0.929867	0
S	ROG_RESTL	0.065964	0.179479	0.074552	0.106894	0.003021	0.001356	0.001284	0.000151	0.001132	0.003193	1.111044	0.002416	0.77503
S	ROG_RUNEX	0.019743	0.057255	0.026024	0.060888	0.081091	0.05602	0.139348	0.169665	0.080329	1.04435	2.576666	0.124477	0.160924
S	ROG_RUNLS	0.043607	0.189397	0.065992	0.089831	0.325745	0.1193	0.026254	0.000571	0.039473	0.019591	0.619575	0.014555	0.022758
S	ROG_STREX	0.099045	0.241244	0.115937	0.245184	0.335443	0.169218	0.482703	0.110999	0.393443	0.599295	1.858665	0.362924	0.473616
S	SO2_IDLEX	0	0	0	0	0.00009	0.000133	0.001355	0.046675	0.001109	0	0	0.011942	0
S	SO2_RUNEX	0.003225	0.003886	0.0044	0.005834	0.006235	0.006296	0.011171	0.0157	0.012453	0.010267	0.002258	0.01068	0.011419
S	SO2_STREX	0.000655	0.000804	0.000883	0.001171	0.000435	0.000345	0.000805	0.00017	0.000804	0.00097	0.000656	0.000614	0.000797
S	TOG_DIURN	0.080496	0.243151	0.085343	0.117308	0.005451	0.002365	0.002194	0.000215	0.002263	0.005986	1.756543	0.005273	1.923384
S	TOG_HTSK	0.13605	0.340354	0.133197	0.1814	0.12023	0.055164	0.057353	0.006839	0.018817	0.073212	0.741265	0.030938	0.091679
S	TOG_IDLEX	0	0	0	0	0.026962	0.02232	0.046517	0.841733	0.056518	0	0	1.338987	0
S	TOG_RESTL	0.065964	0.179479	0.074552	0.106894	0.003021	0.001356	0.001284	0.000151	0.001132	0.003193	1.111044	0.002416	0.77503
S	TOG_RUNEX	0.028635	0.082778	0.037727	0.083255	0.104714	0.067705	0.163462	0.28039	0.098714	4.266046	3.182455	0.150754	0.217297
S	TOG_RUNLS	0.043607	0.189397	0.065992	0.089831	0.325745	0.1193	0.026254	0.000571	0.039473	0.019591	0.619575	0.014555	0.022758
S	TOG_STREX	0.108437	0.264108	0.126929	0.268325	0.367172	0.185255	0.528449	0.121449	0.430683	0.656077	2.022584	0.397356	0.51762
W	CH4_IDLEX	0	0	0	0	0.00664	0.004925	0.018629	0.78866	0.013054	0	0	0.882703	0
W	CH4_RUNEX	0.007206	0.021	0.009539	0.018161	0.017224	0.006869	0.011678	0.094604	0.011598	3.09551	0.524084	0.015533	0.045962
W	CH4_STREX	0.008475	0.020763	0.009901	0.020969	0.026032	0.013116	0.064242	0.113311	0.03329	0.04951	0.156569	0.076838	0.036993

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W	CO_IDLEX	0	0	0	0	0.162176	0.138676	0.677251	4.176917	0.319434	0	0	7.893283	0
W	CO_RUNEX	0.798827	2.162888	1.042518	1.877034	1.197413	0.527427	0.799685	1.181207	0.778794	13.05173	19.964716	0.902782	4.364899
W	CO_STREX	1.644209	3.941018	1.966757	3.53357	3.576439	1.877066	8.282598	3.703207	6.555059	9.049756	9.737241	8.061599	7.969949
W	CO2_NBIO_IDL	0	0	0	0	8.86904	13.49157	122.055	4375.647	101.9058	0	0	1094.219	0
W	CO2_NBIO_RU	302.152	363.4285	413.0742	547.9	632.5689	644.759	1162.433	1699.589	1279.87	2035.512	186.86576	1109.007	1144.863
W	CO2_NBIO_ST	63.18679	74.64036	85.52107	111.9222	37.18389	31.23454	66.83717	11.15025	69.62274	83.17972	45.762337	50.38064	66.54282
W	NOX_IDLEX	0	0	0	0	0.067535	0.10043	0.945761	23.29274	0.664856	0	0	10.8561	0
W	NOX_RUNEX	0.069404	0.206544	0.111657	0.21031	1.22405	1.010462	2.481677	4.870578	2.262609	12.2761	1.10859	5.244303	1.323798
W	NOX_STREX	0.107453	0.225615	0.172758	0.326898	1.190429	0.722599	9.834542	19.59007	2.694952	16.34113	0.313149	13.05587	0.955858
W	PM10_IDLEX	0	0	0	0	0.000771	0.00117	0.004592	0.035854	0.000462	0	0	0.01689	0
W	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034	0.060866	0.13034	0.648425	0.01176	0.7448	0.13034
W	PM10_PMTW	0.008	0.008	0.008	0.008	0.009794	0.010463	0.012	0.035329	0.012	0.012	0.004	0.010796	0.012765
W	PM10_RUNEX	0.002351	0.004179	0.002186	0.002519	0.009846	0.010286	0.067199	0.024048	0.011554	0.165341	0.002237	0.03046	0.022759
W	PM10_STREX	0.002388	0.003974	0.002347	0.002697	0.001319	0.000624	0.001023	0.000133	0.000805	0.000947	0.004215	0.000721	0.001969
W	PM25_IDLEX	0	0	0	0	0.000738	0.00112	0.004393	0.034303	0.000442	0	0	0.016159	0
W	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586	0.026086	0.05586	0.277896	0.00504	0.3192	0.05586
W	PM25_PMTW	0.002	0.002	0.002	0.002	0.002449	0.002616	0.003	0.008832	0.003	0.003	0.001	0.002699	0.003191
W	PM25_RUNEX	0.002169	0.00385	0.00201	0.002326	0.009387	0.009824	0.064286	0.023008	0.01104	0.15816	0.002095	0.029127	0.021715
W	PM25_STREX	0.002196	0.003656	0.002159	0.002484	0.001217	0.000574	0.000942	0.000124	0.000742	0.000872	0.003983	0.000663	0.001833
W	ROG_DIURN	0.050882	0.157557	0.053179	0.072292	0.003875	0.001666	0.001548	0.000141	0.001619	0.004854	1.176813	0.003829	1.490726
W	ROG_HTSK	0.143532	0.371275	0.139936	0.18939	0.136383	0.061553	0.061133	0.007607	0.019749	0.09022	0.881034	0.032897	0.115527
W	ROG_IDLEX	0	0	0	0	0.019157	0.016324	0.039894	0.824351	0.043768	0	0	0.937974	0
W	ROG_RESTL	0.044229	0.119793	0.050157	0.072004	0.002098	0.00094	0.00088	0.000099	0.000777	0.002464	0.639338	0.00162	0.556034
W	ROG_RUNEX	0.018276	0.05378	0.02419	0.058603	0.079946	0.055697	0.138905	0.169536	0.079711	1.033438	2.661395	0.123647	0.158799
W	ROG_RUNLS	0.052082	0.241142	0.083152	0.111653	0.364201	0.134034	0.029806	0.000625	0.043516	0.024756	0.752162	0.020189	0.024536
W	ROG_STREX	0.114299	0.280059	0.13354	0.283041	0.351252	0.17691	0.507112	0.116744	0.414115	0.667855	2.136103	0.418149	0.50059
W	SO2_IDLEX	0	0	0	0	0.00009	0.000133	0.00118	0.040519	0.000985	0	0	0.010699	0
W	SO2_RUNEX	0.003028	0.003664	0.00414	0.005497	0.006235	0.006296	0.011171	0.0157	0.012453	0.010265	0.002275	0.01068	0.011418
W	SO2_STREX	0.00066	0.000816	0.000889	0.001182	0.000439	0.000347	0.000814	0.000173	0.000812	0.000994	0.00068	0.000643	0.000806
W	TOG_DIURN	0.050882	0.157557	0.053179	0.072292	0.003875	0.001666	0.001548	0.000141	0.001619	0.004854	1.176813	0.003829	1.490726
W	TOG_HTSK	0.143532	0.371275	0.139936	0.18939	0.136383	0.061553	0.061133	0.007607	0.019749	0.09022	0.881034	0.032897	0.115527
W	TOG_IDLEX	0	0	0	0	0.026962	0.02232	0.053531	0.960549	0.058797	0	0	1.348217	0
W	TOG_RESTL	0.044229	0.119793	0.050157	0.072004	0.002098	0.00094	0.00088	0.000099	0.000777	0.002464	0.639338	0.00162	0.556034
W	TOG_RUNEX	0.026496	0.077694	0.035044	0.079532	0.102973	0.067223	0.162811	0.280198	0.097797	4.249945	3.283667	0.149543	0.212988
W	TOG_RUNLS	0.052082	0.241142	0.083152	0.111653	0.364201	0.134034	0.029806	0.000625	0.043516	0.024756	0.752162	0.020189	0.024536
W	TOG_STREX	0.125138	0.306599	0.1462	0.309752	0.384475	0.193676	0.55517	0.127734	0.453311	0.731129	2.324389	0.457821	0.547092

tblRoadDust

RoadPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	MobileAverageVehicleWeight	MeanVehicleSpeed	CARB_PM_VMT
100	0.1	4.3	0.5	2.4	40	0

tblWoodstoves

WoodstovesLandUseSubType NumberConventional NumberCatalytic NumberNoncatalytic NumberPellet WoodstoveDayYear WoodstoveWoodMass

tblFireplaces

FireplacesLandUseSubType NumberWood NumberGas NumberPropane NumberNoFireplace FireplaceHourDay FireplaceDayYear FireplaceWoodMass

tblConsumerProducts

ROG_EF	ROG_EF_Degreaser	ROG_EF_PesticidesFertilizers
0.0000198	3.542E-07	5.152E-08

tblAreaCoating

Area_EF_Residential_Interior	Area_Residential_Interior	Area_EF_Residential_Exterior	Area_Residential_Exterior	Area_EF_Nonresidential_Interior	Area_Nonresidential_Interior	Area_EF_Nonresidential_Exterior	Area_Nonresidential_Exterior	ReapplicationRatePercent	Area_EF_Parking	Area_Parking
50	0	50	0	100	44250	100	14750	10	100	0

tblLandscapeEquipment

NumberSnowDays	NumberSummerDays
0	250

tblEnergyUse

EnergyUse:	T24E	NT24E	LightingEl:	T24NG	NT24NG
General O	4.6	4.62	3.77	10.02	0.39

WaterLanc	WaterLanc	IndoorWat	OutdoorW	ElectricityI	ElectricityI	ElectricityI	ElectricityI	SepticTan	AerobicPe	Anaerobic	AnaDigest	AnaDigest	CogenComb	DigestGas	Percent
General O	1000sqft	5243146	3213541	9727	111	1272	1911	10.33	87.46	2.21	100	0			

tblSolidWaste

SolidWaste	SolidWaste	SolidWaste	LandfillNo	LandfillCa	LandfillCapture	GasEnergy	Recovery
General O	1000sqft	27.44	6	94	0		

tblLandUseChange

Vegetation Vegetation AcresBegin AcresEnd CO2peracre

BroadSpei NumberOf CO2perTree

tblConstEquipMitigation

ConstMitig	FuelType	Tier	NumberOf	TotalNumt	DPF	OxidationCatalyst
Concrete/I	Diesel	No Chang	0	0	No Chang	0
Rubber Tir	Diesel	No Chang	0	1	No Chang	0
Tractors/L	Diesel	No Chang	0	2	No Chang	0

tblConstDustMitigation

SoilStabili:	SoilStabili:	SoilStabili:	ReplaceG	ReplaceG	ReplaceG	WaterExp:	WaterExp:	WaterExp:	WaterExp:	WaterUnp	WaterUnp	WaterUnp	WaterUnp	CleanPavedRoadPercentReduction
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Implemen	Implemen	Implemen	TransitSul	TransitSul	TransitSul	Implemen	Implemen	Workplact	Workplact	Workplact	Encoura	Encoura	Encoura	Encoura	MarketCo	MarketCo	Employee	Employee	Employee	ProvideRi	ProvideRi	Implemen	Implement	SchoolBusProgram	PercentFamilyUsing
0			0			0		0			0				0		0			2	0		0		

Landscap	Landscap	Landscap	Landscap	Landscap	Landscap	Landscap	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	HearthOn	NoHearth	UseLowV	UseLowV	UseLowV	Paint	Parking	Value
0	0	0	0	0	0	0	1	50	1	50	1	100	1	100	0	0	1	1	100			

tblEnergyMitigation

ExceedTitl ExceedTitl InstallHigh InstallHigh OnSiteRei KwhGener KwhGener PercentOf PercentOfElectricityUseGenerated

tblApplianceMitigation

Appliance	Appliance	PercentImprovement
ClothWasher		30
DishWasher		15
Fan		50
Refrigerator		15

ApplyWatr	ApplyWatr	ApplyWatr	UseReclai	PercentO	PercentIn	UseGreyV	PercentO	PercentIn	InstallLow	PercentR	InstallLow	PercentR	InstallLow	PercentR	InstallLow	PercentR	TurfReduc	TurfReduc	TurfReduc	UseWater	UseWater	WaterEffic	MAWA	ETWU
0	0	0	0	0	0	0	0	0	1	32	1	18	1	20	1	20	0	0	0	1	6.1	0	0	0

InstituteRe InstituteRecyclingAndCompostingServicesWastePercentReduction

tblOperationalOffRoadEquipment

OperOffRc OperOffRc OperHours OperDays OperHorse OperLoad OperFuelType

tbIFleetMix

FleetMixL:LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
General O	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

tblStationaryGeneratorsPumpsUse

Generator: NumberOf Generator: HorsePow Load_Fact HoursPerL HoursPerY GeneratorsPumpsEquipmentDescription

tblStationaryBoilersUse

BoilerEqui NumberOf BoilerFuel BoilerRatir DailyHeatl AnnualHez BoilerEquipmentDescription

tblStationaryUserDefined

UserDefini UserDefini TOG_lb_d TOG_tpy ROG_lb_c ROG_tpy CO_lb_da CO_tpy NOX_lb_d NOX_tpy SO2_lb_d SO2_tpy PM10_lb_d PM10_tpy PM2_5_lb PM2_5_tp CO2_lb_d CO2_tpy CH4_lb_d CH4_tpy

Generator TOG_EF TOG_EF_ROG_EF ROG_EF_CO_EF CO_EF_U NOX_EF NOX_EF_SO2_EF SO2_EF_I PM10_EF PM10_EF_PM2_5_EI PM2_5_EI CO2_EF CO2_EF_CH4_EF CH4_EF_UOM

BoilerEqui TOG_EF TOG_EF_ROG_EF ROG_EF_CO_EF CO_EF_U NOX_EF NOX_EF_SO2_EF SO2_EF_I PM10_EF PM10_EF_PM2_5_EI PM2_5_EI CO2_EF CO2_EF_I CH4_EF CH4_EF_UOM

tblRemarks

SubModul	Phase	Season	Remarks
1			
3			
4			Operational only
5	Demolition		Operational only
12			Trip rates based on the December 2016 Transportation Impact Study
29			
32			

350 Fig SCEA - Existing - Los Angeles-South Coast County, Summer

350 Fig SCEA - Existing
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.50	1000sqft	0.68	29,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2019
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational only

Off-road Equipment - Operational only

Vehicle Trips - Trip rates based on the December 2016 Transportation Impact Study

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
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tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2019	2/14/2019
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	ST_TR	2.46	7.29
tblVehicleTrips	SU_TR	1.05	7.29
tblVehicleTrips	WD_TR	11.03	7.29

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

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

2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Energy	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Mobile	0.4806	2.2088	6.4652	0.0196	1.4733	0.0221	1.4954	0.3944	0.0208	0.4151		1,991.2533	1,991.2533	0.1144		1,994.1120
Total	1.1490	2.2913	6.5375	0.0201	1.4733	0.0284	1.5017	0.3944	0.0270	0.4214		2,090.2428	2,090.2428	0.1163	1.8100e-003	2,093.6901

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	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Energy	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Mobile	0.4806	2.2088	6.4652	0.0196	1.4733	0.0221	1.4954	0.3944	0.0208	0.4151		1,991.2533	1,991.2533	0.1144		1,994.1120
Total	1.1490	2.2913	6.5375	0.0201	1.4733	0.0284	1.5017	0.3944	0.0270	0.4214		2,090.2428	2,090.2428	0.1163	1.8100e-003	2,093.6901

	ROG	NOx	CO	SO2	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	2/15/2019	2/14/2019	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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73

Trips and VMT

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
--------------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Mitigated Construction 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4806	2.2088	6.4652	0.0196	1.4733	0.0221	1.4954	0.3944	0.0208	0.4151		1,991.2533	1,991.2533	0.1144		1,994.1120
Unmitigated	0.4806	2.2088	6.4652	0.0196	1.4733	0.0221	1.4954	0.3944	0.0208	0.4151		1,991.2533	1,991.2533	0.1144		1,994.1120

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	215.06	215.06	215.06	692,791	692,791
Total	215.06	215.06	215.06	692,791	692,791

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

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	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
NaturalGas Unmitigated	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713

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					
General Office Building	841.356	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Total		9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.841356	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Total		9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Unmitigated	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003

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	0.0749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Total	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003

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	0.0749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Total	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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

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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

350 Fig SCEA - Existing - Los Angeles-South Coast County, Winter

350 Fig SCEA - Existing
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.50	1000sqft	0.68	29,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2019
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational only

Off-road Equipment - Operational only

Vehicle Trips - Trip rates based on the December 2016 Transportation Impact Study

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
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tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2019	2/14/2019
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	ST_TR	2.46	7.29
tblVehicleTrips	SU_TR	1.05	7.29
tblVehicleTrips	WD_TR	11.03	7.29

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

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

2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.3077	0.0000	0.0000	0.2830	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Energy	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Mobile	0.4686	2.2731	6.1632	0.0187	1.4733	0.0222	1.4955	0.3944	0.0209	0.4153		1,893.7471	1,893.7471	0.1138		1,896.5908
Total	1.1370	2.3556	6.2355	0.0191	1.4733	0.0285	1.5018	0.3944	0.0272	0.4215		1,992.7366	1,992.7366	0.1157	1.8100e-003	1,996.1690

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	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Energy	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Mobile	0.4686	2.2731	6.1632	0.0187	1.4733	0.0222	1.4955	0.3944	0.0209	0.4153		1,893.7471	1,893.7471	0.1138		1,896.5908
Total	1.1370	2.3556	6.2355	0.0191	1.4733	0.0285	1.5018	0.3944	0.0272	0.4215		1,992.7366	1,992.7366	0.1157	1.8100e-003	1,996.1690

	ROG	NOx	CO	SO2	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	2/15/2019	2/14/2019	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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73

Trips and VMT

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4686	2.2731	6.1632	0.0187	1.4733	0.0222	1.4955	0.3944	0.0209	0.4153		1,893.7471	1,893.7471	0.1138		1,896.5908
Unmitigated	0.4686	2.2731	6.1632	0.0187	1.4733	0.0222	1.4955	0.3944	0.0209	0.4153		1,893.7471	1,893.7471	0.1138		1,896.5908

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	215.06	215.06	215.06	692,791	692,791
Total	215.06	215.06	215.06	692,791	692,791

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

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	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
NaturalGas Unmitigated	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713

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					
General Office Building	841.356	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Total		9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.841356	9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713
Total		9.0700e-003	0.0825	0.0693	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		98.9831	98.9831	1.9000e-003	1.8100e-003	99.5713

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Unmitigated	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003

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	0.0749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Total	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003

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	0.0749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003
Total	0.6593	3.0000e-005	3.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4600e-003	6.4600e-003	2.0000e-005		6.8900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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

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

Proposed

tblProjectCharacteristics

ProjectName	LocationScope	EMFAC_ID	WindSpeed	PrecipitationFrequency	ClimateZone	UrbanizationLevel	OperationalYear	UtilityCompany	CO2IntensityFactor	CH4IntensityFactor	N2OIntensityFactor	TotalPopulation	TotalLotAcreage	UsingHistoricalEnergyUseData	ConstructionPhaseStartDate
350 Fig SCEA - Proposed	C	LASC	2.2	33	11	Urban	2024	Los Angeles Department of Water & Power	1227.89	0.029	0.006	1630	3.67	0	2020/01/06

tblPollutants

PollutantSelection	PollutantFullName	PollutantName
1	Reactive Organic Gases (ROG)	ROG
1	Nitrogen Oxides (NOx)	NOX
1	Carbon Monoxide (CO)	CO
1	Sulfur Dioxide (SO2)	SO2
1	Particulate Matter 10um (PM10)	PM10
1	Particulate Matter 2.5um (PM2.5)	PM2_5
1	Fugitive PM10um (PM10)	PM10_FUG
1	Fugitive PM2.5um (PM2.5)	PM25_FUG
1	Biogenic Carbon Dioxide (CO2)	CO2_BIO
1	Non-Biogenic Carbon Dioxide (CO2)	CO2_NBIO
1	Carbon Dioxide (CO2)	CO2
1	Methane (CH4)	CH4
1	Nitrous Oxide (N2O)	N2O
1	CO2 Equivalent GHGs (CO2e)	CO2E

tblLandUse

LandUseType	LandUseSubType	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet	Population	BuildingSpaceSquareFeet	GreenSpaceAllowEdit	RecSwimmingAreaAllowEdit
Parking	Enclosed Parking with Elevator	155	Space	0	62000	0	62000	0	0
Residential	Apartments High Rise	570	Dwelling Unit	3.67	624500	1630	570000	0	0

tblConstructionPhase

PhaseNumber	PhaseName	PhaseType	PhaseStartDate	PhaseEndDate	NumDaysWeek	NumDays	PhaseDescription
1	Demolition	Demolition	2020/01/06	2020/05/04	6	103	
2	Site Preparation	Site Preparation	2020/05/05	2020/10/05	6	132	
3	Grading	Grading	2020/10/06	2020/11/02	6	24	
4	Building Construction	Building Construction	2020/11/03	2022/06/06	6	498	
5	Architectural Coating	Architectural Coating	2021/06/28	2023/03/06	6	529	
6	Paving	Paving	2022/12/05	2023/02/06	6	55	

tblOffRoadEquipment

PhaseName	OffRoadEquipmentType	OffRoadEquipmentUnitAmount	UsageHours	HorsePower	LoadFactor
Demolition	Concrete/Industrial Saws	1	8	81	0.73
Demolition	Excavators	3	8	158	0.38
Demolition	Rubber Tired Dozers	2	8	247	0.4
Site Preparation	Rubber Tired Dozers	3	8	247	0.4
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37
Grading	Excavators	1	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Rubber Tired Dozers	1	8	247	0.4
Grading	Tractors/Loaders/Backhoes	3	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
Building Construction	Forklifts	3	8	89	0.2
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Welders	1	8	46	0.45
Architectural Coating	Air Compressors	1	6	78	0.48
Paving	Cement and Mortar Mixers	2	6	9	0.56
Paving	Pavers	1	8	130	0.42
Paving	Paving Equipment	2	6	132	0.36
Paving	Rollers	2	6	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37

tblTripsAndVMT

PhaseName	WorkerTripNumber	VendorTripNumber	HaulingTripNumber	WorkerTripLength	VendorTripLength	HaulingTripLength	WorkerVehicleClass	VendorVehicleClass	HaulingVehicleClass
Demolition	17	0	134	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Site Preparation	17	25	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Grading	21	65	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Building Construction	84	70	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Architectural Coating	147	45	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Paving	147	45	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT

tblOnRoadDust

PhaseName	WorkerPercentPave	VendorPercentPave	HaulingPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	AverageVehicleWeight	MeanVehicleSpeed
Demolition	100	100	100	0.1	8.5	0.5	2.4	40
Site Preparation	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 Construction	100	100	100	0.1	8.5	0.5	2.4	40
Architectural Coating	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

tblDemolition

PhaseName	DemolitionSizeMetric	DemolitionUnitAmount
Demolition	Building Square Footage	29500

tblGrading

PhaseName	MaterialImported	MaterialExported	GradingSizeMetric	ImportExportPhased	MeanVehicleSpeed	AcresOfGrading	MaterialMoistureContentBulldozing	MaterialMoistureContentTruckLoading	MaterialSiltContent
Site Preparation	0	0		0	7.1	0	7.9	12	6.9
Grading	0	0		0	7.1	12	7.9	12	6.9

tblArchitecturalCoating

PhaseName	ArchitecturalCoatingStartDate	ArchitecturalCoatingEndDate	EF_Residential_Interior	ConstArea_Residential_Interior	EF_Residential_Exterior	ConstArea_Residential_Exterior	EF_Nonresidential_Interior	ConstArea_Nonresidential_Interior	EF_Nonresidential_Exterior	ConstArea_Nonresidential_Exterior	EF_Parking	ConstArea_Parking
Architectural Coating	2014/01/01	3000/12/31	50	1264613	50	421538	100	0	100	0	100	3720

tblPaving

ParkingLotAcreage

tblVehicleTrips

VehicleTripsLandUseSubType	VehicleTripsLandUseSizeMetric	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
Apartments High Rise	Dwelling Unit	2.07	2.07	2.07	14.7	5.9	8.7	0	0	0	86	11	3	40.2	19.2	40.6	0	0	0
Enclosed Parking with Elevator	Space	0	0	0	0	0	0	8.4	16.6	6.9	0	0	0	0	0	0	0	0	0

tblVehicleEF

W	ROG_RESTL	0.030418	0.089677	0.039639	0.062408	0.001702	0.000619	0.000649	0.000073	0.000737	0.00256	0.606073	0.001813	0.337285
W	ROG_RUNEX	0.010914	0.030863	0.014984	0.026444	0.055521	0.039844	0.036138	0.09473	0.039939	0.73671	2.610526	0.092954	0.059757
W	ROG_RUNLS	0.041882	0.18332	0.068638	0.097767	0.311578	0.072738	0.020831	0.000387	0.040644	0.028147	0.649033	0.017808	0.01824
W	ROG_STREX	0.057401	0.15397	0.070251	0.149134	0.223719	0.089073	0.318688	0.0706	0.312234	0.706588	2.066981	0.379634	0.279267
W	SO2_IDLEX	0	0	0	0	0.000089	0.000133	0.001175	0.037237	0.000926	0	0	0.010061	0
W	SO2_RUNEX	0.002499	0.003185	0.003521	0.004742	0.005767	0.0059	0.010945	0.014371	0.012127	0.009741	0.002295	0.010242	0.011175
W	SO2_STREX	0.000544	0.000695	0.000748	0.001001	0.000354	0.000282	0.000706	0.000161	0.000762	0.001206	0.000659	0.000703	0.000679
W	TOG_DIURN	0.032882	0.111247	0.038675	0.058277	0.002905	0.000942	0.00099	0.000096	0.001405	0.004651	1.149327	0.003391	0.847132
W	TOG_HTSK	0.096817	0.260012	0.095327	0.148645	0.10844	0.034643	0.044709	0.004559	0.017435	0.083076	0.782921	0.030557	0.065485
W	TOG_IDLEX	0	0	0	0	0.021844	0.017856	0.037211	0.518247	0.046112	0	0	1.450257	0
W	TOG_RESTL	0.030418	0.089677	0.039639	0.062408	0.001702	0.000619	0.000649	0.000073	0.000737	0.00256	0.606073	0.001813	0.337285
W	TOG_RUNEX	0.015855	0.044982	0.021849	0.038448	0.06915	0.046749	0.04276	0.197739	0.0487	3.104087	3.262495	0.111012	0.082806
W	TOG_RUNLS	0.041882	0.18332	0.068638	0.097767	0.311578	0.072738	0.020831	0.000387	0.040644	0.028147	0.649033	0.017808	0.01824
W	TOG_STREX	0.062847	0.168577	0.076915	0.163281	0.244945	0.097523	0.348923	0.077298	0.341857	0.773625	2.250577	0.415652	0.305762

tblRoadDust

RoadPercentPave	RoadSiltLoading	MaterialSiltContent	MaterialMoistureContent	MobileAverageVehicleWeight	MeanVehicleSpeed	CARB_PM_VMT
100	0.1	4.3	0.5	2.4	40	0

tblWoodstoves

WoodstovesLandUseSubType	NumberConventional	NumberCatalytic	NumberNoncatalytic	NumberPellet	WoodstoveDayYear	WoodstoveWoodMass
Apartments High Rise	0	0	0	0	0	0

tblFireplaces

FireplacesLandUseSubType	NumberWood	NumberGas	NumberPropane	NumberNoFireplace	FireplaceHourDay	FireplaceDayYear	FireplaceWoodMass
Apartments High Rise	0	0	0	0	0	0	0

tblConsumerProducts

ROG_EF	ROG_EF_Degreaser	ROG_EF_PesticidesFertilizers
0.0000198	3.542E-07	5.152E-08

tblAreaCoating

Area_EF_Residential_Interior	Area_Residential_Interior	Area_EF_Residential_Exterior	Area_Residential_Exterior	Area_EF_Nonresidential_Interior	Area_Nonresidential_Interior	Area_EF_Nonresidential_Exterior	Area_Nonresidential_Exterior	ReapplicationRatePercent	Area_EF_Parking	Area_Parking
50	1264613	50	421538	100	0	100	0	10	100	3720

tblLandscapeEquipment

NumberSnowDays	NumberSummerDays
0	250

tblEnergyUse

EnergyUse:	T24E	NT24E	LightingEl:	T24NG	NT24NG
Apartment	164.54	3054.1	741.44	4385.94	4831
Enclosed I	3.92	0.19	1.75	0	0

tblWater

WaterLanc	WaterLanc	IndoorWat	OutdoorW	ElectricityI	ElectricityI	ElectricityI	ElectricityI	SepticTan	AerobicPe	Anaerobic	AnaDigest	AnaDigest	CogenComb	DigestGas	Percent
Apartment Dwelling U	37137795	23412957		9727	111	1272	1911	10.33	87.46	2.21	100	0			
Enclosed I Space		0	0	9727	111	1272	1911	10.33	87.46	2.21	100	0			

tblSolidWaste

SolidWaste	SolidWaste	SolidWaste	LandfillNo	LandfillCa	LandfillCaptureGas	EnergyRecovery
Apartment Dwelling U	262.2		6	94	0	
Enclosed I Space	0		6	94	0	

tblLandUseChange

Vegetation Vegetation AcresBegin AcresEnd CO2peracre

BroadSpei NumberOf CO2perTree

tblConstEquipMitigation

ConstMitig	FuelType	Tier	NumberOf	TotalNumt	DPF	OxidationCatalyst
Air Compr	Diesel	Tier 1	1	1	No Change	0
Cement ar	Diesel	Tier 1	2	2	No Change	0
Concrete/l	Diesel	Tier 1	1	1	No Change	0
Cranes	Diesel	Tier 1	1	1	No Change	0
Excavator:	Diesel	Tier 1	4	4	No Change	0
Forklifts	Diesel	Tier 1	3	3	No Change	0
Generator	Diesel	Tier 1	1	1	No Change	0
Graders	Diesel	Tier 1	1	1	No Change	0
Pavers	Diesel	Tier 1	1	1	No Change	0
Paving Eq	Diesel	Tier 1	2	2	No Change	0
Rollers	Diesel	Tier 1	2	2	No Change	0
Rubber Tir	Diesel	Tier 1	6	6	No Change	0
Tractors/L	Diesel	Tier 1	11	11	No Change	0
Welders	Diesel	Tier 1	1	1	No Change	0

tblConstDustMitigation

SoilStabili	SoilStabili	SoilStabili	ReplaceG	ReplaceG	ReplaceG	WaterExp	WaterExp	WaterExp	WaterExp	WaterUnp	WaterUnp	WaterUnp	WaterUnp	CleanPavedRoad	PercentReduction
0	0	0	0	0	0	1	3	61	61	0	1	0	15	0	

Implemen	Implemen	Implemen	TransitSul	TransitSul	TransitSul	Implemen	Implemen	Workplact	Workplact	Workplact	Encoura	Encoura	Encoura	Encoura	MarketCo	MarketCo	Employee	Employee	Employee	ProvideRi	ProvideRi	Implemen	Implement	SchoolBusProgram	PercentFamilyUsing	
0			0			0		0			0				0		0			2	0		0			

Landscap	Landscap	Landscap	Landscap	Landscap	Landscap	Landscap	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	UseLowV	HearthOn	NoHearth	UseLowV	UseLowV	UseLowV	Paint	Parking	Value
0	0	0	0	0	0	0	1	50	1	50	1	100	1	100	0	0	1	1	100			

tblEnergyMitigation

ExceedTitl ExceedTitl InstallHigh InstallHigh OnSiteRei KwhGener KwhGener PercentOf PercentOfElectricityUseGenerated

tblApplianceMitigation

Appliance	Appliance	PercentImprovement
ClothWasher		30
DishWasher		15
Fan		50
Refrigerator		15

ApplyWatr	ApplyWatr	ApplyWatr	UseReclai	PercentO	PercentIn	UseGreyV	PercentO	PercentIn	InstallLow	PercentR	InstallLow	PercentR	InstallLow	PercentR	InstallLow	PercentR	TurfReduc	TurfReduc	TurfReduc	UseWater	UseWater	WaterEffic	MAWA	ETWU
0	0	0	0	0	0	0	0	0	1	32	1	18	1	20	1	20	0	0	0	1	6.1	0	0	0

InstituteRe InstituteRecyclingAndCompostingServicesWastePercentReduction

tblOperationalOffRoadEquipment

OperOffRc OperOffRc OperHours OperDays OperHorse OperLoad OperFuelType

tblFleetMix

FleetMixL:LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
Apartment	0.545348	0.04462	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.00256	0.002071	0.005217	0.000696	0.00085
Enclosed I	0.545348	0.04462	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.00256	0.002071	0.005217	0.000696	0.00085

tblStationaryGeneratorsPumpsUse

Generator: NumberOf Generator: HorsePow Load_Fact HoursPerL HoursPerY GeneratorsPumpsEquipmentDescription

tblStationaryBoilersUse

BoilerEqui NumberOf BoilerFuel BoilerRatir DailyHeatl AnnualHez BoilerEquipmentDescription

tblStationaryUserDefined

UserDefini UserDefini TOG_lb_d TOG_tpy ROG_lb_c ROG_tpy CO_lb_da CO_tpy NOX_lb_d NOX_tpy SO2_lb_d SO2_tpy PM10_lb_d PM10_tpy PM2_5_lb PM2_5_tp CO2_lb_d CO2_tpy CH4_lb_d CH4_tpy

Generator TOG_EF TOG_EF_ROG_EF ROG_EF_CO_EF CO_EF_U NOX_EF NOX_EF_SO2_EF SO2_EF_I PM10_EF PM10_EF_PM2_5_EI PM2_5_EI CO2_EF CO2_EF_CH4_EF CH4_EF_UOM

BoilerEqui TOG_EF TOG_EF_ROG_EF ROG_EF_CO_EF CO_EF_U NOX_EF NOX_EF_SO2_EF SO2_EF_I PM10_EF PM10_EF_PM2_5_EI PM2_5_EI CO2_EF CO2_EF_I CH4_EF CH4_EF_UOM

SubModul	Phase	Nar	Season	Remarks
1				
3				The Project would add 624,500 square feet of a new residential building on a 3.67 acre site. The building would also contain 155 vehicle spaces.
4				Construction duration approximately 39 months to begin in 2020 and continue through 2023.
6				Site specific construction details
8				Demolition of existing 29,500 square foot building
9				
12				Trip rates based on the December 2016 Transportation Impact Study
15				No woodstoves
25				Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. For conservative analysisism equipment set to Tier 1.0Compliant with SCAQMD Rule 403 Fugitive Dust.
29				Compliant with SCAQMD Rule 1113 Architectural Coatings
32				

tblRemarks

350 Fig SCEA - Proposed - Los Angeles-South Coast County, Annual

350 Fig SCEA - Proposed
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	570.00	Dwelling Unit	3.67	624,500.00	1630
Enclosed Parking with Elevator	155.00	Space	0.00	62,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The Project would add 624,500 square feet of a new residential building on a 3.67 acre site. The building would also contain 155 vehicle

Construction Phase - Construction duration approximately 39 months to begin in 2020 and continue through 2023.

Grading -

Demolition - Demolition of existing 29,500 square foot building

Trips and VMT - Site specific construction details

Vehicle Trips - Trip rates based on the December 2016 Transportation Impact Study

Woodstoves - No woodstoves

tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstructionPhase	NumDays	18.00	529.00
tblConstructionPhase	NumDays	230.00	498.00
tblConstructionPhase	NumDays	20.00	103.00
tblConstructionPhase	NumDays	8.00	24.00
tblConstructionPhase	NumDays	18.00	55.00
tblConstructionPhase	NumDays	5.00	132.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	2/25/2021	3/6/2023
tblConstructionPhase	PhaseEndDate	1/6/2021	6/6/2022
tblConstructionPhase	PhaseEndDate	1/31/2020	5/4/2020
tblConstructionPhase	PhaseEndDate	2/19/2020	11/2/2020
tblConstructionPhase	PhaseEndDate	2/1/2021	2/6/2023
tblConstructionPhase	PhaseEndDate	2/7/2020	10/5/2020
tblConstructionPhase	PhaseStartDate	2/2/2021	6/28/2021
tblConstructionPhase	PhaseStartDate	2/20/2020	11/3/2020
tblConstructionPhase	PhaseStartDate	2/8/2020	10/6/2020
tblConstructionPhase	PhaseStartDate	1/7/2021	12/5/2022
tblConstructionPhase	PhaseStartDate	2/1/2020	5/5/2020
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	484.50	0.00
tblFireplaces	NumberNoFireplace	57.00	0.00
tblFireplaces	NumberWood	28.50	0.00
tblLandUse	LandUseSquareFeet	570,000.00	624,500.00
tblLandUse	LotAcreage	9.19	3.67
tblLandUse	LotAcreage	1.39	0.00
tblTripsAndVMT	VendorTripNumber	0.00	25.00
tblTripsAndVMT	VendorTripNumber	0.00	65.00
tblTripsAndVMT	VendorTripNumber	71.00	70.00
tblTripsAndVMT	VendorTripNumber	0.00	45.00
tblTripsAndVMT	VendorTripNumber	0.00	45.00
tblTripsAndVMT	WorkerTripNumber	15.00	17.00
tblTripsAndVMT	WorkerTripNumber	18.00	17.00
tblTripsAndVMT	WorkerTripNumber	15.00	21.00
tblTripsAndVMT	WorkerTripNumber	436.00	84.00
tblTripsAndVMT	WorkerTripNumber	20.00	147.00
tblTripsAndVMT	WorkerTripNumber	87.00	147.00
tblVehicleTrips	ST_TR	4.98	2.07
tblVehicleTrips	SU_TR	3.65	2.07
tblVehicleTrips	WD_TR	4.20	2.07
tblWoodstoves	NumberCatalytic	28.50	0.00
tblWoodstoves	NumberNoncatalytic	28.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-6-2020	4-5-2020	1.4450	2.1049
2	4-6-2020	7-5-2020	1.7722	2.1437
3	7-6-2020	10-5-2020	1.9469	2.1860
4	10-6-2020	1-5-2021	1.2438	1.8553
5	1-6-2021	4-5-2021	1.0418	1.7494
6	4-6-2021	7-5-2021	1.1016	1.8241
7	7-6-2021	10-5-2021	1.6439	2.4493
8	10-6-2021	1-5-2022	1.6444	2.4545
9	1-6-2022	4-5-2022	1.5041	2.3747
10	4-6-2022	7-5-2022	1.2098	1.8371
11	7-6-2022	10-5-2022	0.5639	0.6513
12	10-6-2022	1-5-2023	0.7787	1.1005
13	1-6-2023	4-5-2023	0.5299	0.8333
		Highest	1.9469	2.4545

2.2 Overall Operational Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	2.6337	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364
Energy	0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	1,739.9093	1,739.9093	0.0398	0.0123	1,744.5625
Mobile	0.3182	1.4879	4.4123	0.0175	1.5301	0.0133	1.5434	0.4101	0.0124	0.4225	0.0000	1,616.2720	1,616.2720	0.0767	0.0000	1,618.1902
Waste						0.0000	0.0000		0.0000	0.0000	53.2242	0.0000	53.2242	3.1455	0.0000	131.8608
Water						0.0000	0.0000		0.0000	0.0000	11.7821	414.2063	425.9884	1.2199	0.0306	465.6045

Total	2.9803	1.7977	10.3931	0.0193	1.5301	0.0654	1.5956	0.4101	0.0645	0.4746	65.0063	3,779.9934	3,844.9997	4.4912	0.0429	3,970.0544
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.6337	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364
Energy	0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	1,739.9093	1,739.9093	0.0398	0.0123	1,744.5625
Mobile	0.3182	1.4879	4.4123	0.0175	1.5301	0.0133	1.5434	0.4101	0.0124	0.4225	0.0000	1,616.2720	1,616.2720	0.0767	0.0000	1,618.1902
Waste						0.0000	0.0000		0.0000	0.0000	53.2242	0.0000	53.2242	3.1455	0.0000	131.8608
Water						0.0000	0.0000		0.0000	0.0000	9.4257	351.5027	360.9284	0.9764	0.0246	392.6625
Total	2.9803	1.7977	10.3931	0.0193	1.5301	0.0654	1.5956	0.4101	0.0645	0.4746	62.6499	3,717.2899	3,779.9398	4.2477	0.0369	3,897.1124

	ROG	NOx	CO	SO2	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	3.62	1.66	1.69	5.42	14.04	1.84

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/6/2020	5/4/2020	6	103	
2	Site Preparation	Site Preparation	5/5/2020	10/5/2020	6	132	
3	Grading	Grading	10/6/2020	11/2/2020	6	24	
4	Building Construction	Building Construction	11/3/2020	6/6/2022	6	498	

5	Architectural Coating	Architectural Coating	6/28/2021	3/6/2023	6	529
6	Paving	Paving	12/5/2022	2/6/2023	6	55

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12

Acres of Paving: 0

Residential Indoor: 1,264,613; Residential Outdoor: 421,538; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

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	6	17.00	0.00	134.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	17.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	21.00	65.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	84.00	70.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	147.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	147.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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	tons/yr										MT/yr					
Fugitive Dust					0.0145	0.0000	0.0145	2.2000e-003	0.0000	2.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1706	1.7099	1.1203	2.0000e-003		0.0854	0.0854		0.0794	0.0794	0.0000	175.0928	175.0928	0.0494	0.0000	176.3285
Total	0.1706	1.7099	1.1203	2.0000e-003	0.0145	0.0854	0.0999	2.2000e-003	0.0794	0.0816	0.0000	175.0928	175.0928	0.0494	0.0000	176.3285

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.9000e-004	0.0199	4.3900e-003	5.0000e-005	1.1500e-003	6.0000e-005	1.2100e-003	3.2000e-004	6.0000e-005	3.8000e-004	0.0000	5.1642	5.1642	3.6000e-004	0.0000	5.1732
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	4.0400e-003	3.2600e-003	0.0360	1.0000e-004	9.5900e-003	8.0000e-005	9.6800e-003	2.5500e-003	8.0000e-005	2.6200e-003	0.0000	8.9419	8.9419	2.8000e-004	0.0000	8.9490
Total	4.6300e-003	0.0232	0.0404	1.5000e-004	0.0107	1.4000e-004	0.0109	2.8700e-003	1.4000e-004	3.0000e-003	0.0000	14.1062	14.1062	6.4000e-004	0.0000	14.1222

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.6600e-003	0.0000	5.6600e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2663	2.4855	2.7379	2.0000e-003		0.0939	0.0939		0.0939	0.0939	0.0000	175.0926	175.0926	0.0494	0.0000	176.3283
Total	0.2663	2.4855	2.7379	2.0000e-003	5.6600e-003	0.0939	0.0995	8.6000e-004	0.0939	0.0947	0.0000	175.0926	175.0926	0.0494	0.0000	176.3283

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
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Category	tons/yr										MT/yr					
	Hauling	5.9000e-004	0.0199	4.3900e-003	5.0000e-005	1.1500e-003	6.0000e-005	1.2100e-003	3.2000e-004	6.0000e-005	3.8000e-004	0.0000	5.1642	5.1642	3.6000e-004	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	4.0400e-003	3.2600e-003	0.0360	1.0000e-004	9.5900e-003	8.0000e-005	9.6800e-003	2.5500e-003	8.0000e-005	2.6200e-003	0.0000	8.9419	8.9419	2.8000e-004	0.0000	8.9490
Total	4.6300e-003	0.0232	0.0404	1.5000e-004	0.0107	1.4000e-004	0.0109	2.8700e-003	1.4000e-004	3.0000e-003	0.0000	14.1062	14.1062	6.4000e-004	0.0000	14.1222

3.3 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	tons/yr										MT/yr					
Fugitive Dust					1.1924	0.0000	1.1924	0.6554	0.0000	0.6554	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2691	2.7995	1.4199	2.5100e-003		0.1450	0.1450		0.1334	0.1334	0.0000	220.6425	220.6425	0.0714	0.0000	222.4265
Total	0.2691	2.7995	1.4199	2.5100e-003	1.1924	0.1450	1.3374	0.6554	0.1334	0.7889	0.0000	220.6425	220.6425	0.0714	0.0000	222.4265

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9800e-003	0.1788	0.0484	4.2000e-004	0.0104	8.3000e-004	0.0112	3.0000e-003	8.0000e-004	3.8000e-003	0.0000	40.9903	40.9903	2.6000e-003	0.0000	41.0554

Worker	5.1800e-003	4.1800e-003	0.0462	1.3000e-004	0.0123	1.0000e-004	0.0124	3.2700e-003	1.0000e-004	3.3600e-003	0.0000	11.4596	11.4596	3.6000e-004	0.0000	11.4686
Total	0.0112	0.1830	0.0946	5.5000e-004	0.0227	9.3000e-004	0.0236	6.2700e-003	9.0000e-004	7.1600e-003	0.0000	52.4499	52.4499	2.9600e-003	0.0000	52.5240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4650	0.0000	0.4650	0.2556	0.0000	0.2556	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3300	3.1389	3.5337	2.5100e-003		0.1295	0.1295		0.1295	0.1295	0.0000	220.6422	220.6422	0.0714	0.0000	222.4262
Total	0.3300	3.1389	3.5337	2.5100e-003	0.4650	0.1295	0.5945	0.2556	0.1295	0.3851	0.0000	220.6422	220.6422	0.0714	0.0000	222.4262

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9800e-003	0.1788	0.0484	4.2000e-004	0.0104	8.3000e-004	0.0112	3.0000e-003	8.0000e-004	3.8000e-003	0.0000	40.9903	40.9903	2.6000e-003	0.0000	41.0554
Worker	5.1800e-003	4.1800e-003	0.0462	1.3000e-004	0.0123	1.0000e-004	0.0124	3.2700e-003	1.0000e-004	3.3600e-003	0.0000	11.4596	11.4596	3.6000e-004	0.0000	11.4686
Total	0.0112	0.1830	0.0946	5.5000e-004	0.0227	9.3000e-004	0.0236	6.2700e-003	9.0000e-004	7.1600e-003	0.0000	52.4499	52.4499	2.9600e-003	0.0000	52.5240

3.4 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	tons/yr										MT/yr					
Fugitive Dust					0.0786	0.0000	0.0786	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.3166	0.1926	3.6000e-004		0.0153	0.0153		0.0141	0.0141	0.0000	31.2705	31.2705	0.0101	0.0000	31.5233
Total	0.0292	0.3166	0.1926	3.6000e-004	0.0786	0.0153	0.0939	0.0404	0.0141	0.0545	0.0000	31.2705	31.2705	0.0101	0.0000	31.5233

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8300e-003	0.0845	0.0229	2.0000e-004	4.9100e-003	3.9000e-004	5.3100e-003	1.4200e-003	3.8000e-004	1.7900e-003	0.0000	19.3772	19.3772	1.2300e-003	0.0000	19.4080
Worker	1.1600e-003	9.4000e-004	0.0104	3.0000e-005	2.7600e-003	2.0000e-005	2.7800e-003	7.3000e-004	2.0000e-005	7.6000e-004	0.0000	2.5738	2.5738	8.0000e-005	0.0000	2.5758
Total	3.9900e-003	0.0855	0.0333	2.3000e-004	7.6700e-003	4.1000e-004	8.0900e-003	2.1500e-003	4.0000e-004	2.5500e-003	0.0000	21.9510	21.9510	1.3100e-003	0.0000	21.9839

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
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Category	tons/yr										MT/yr					
Fugitive Dust					0.0307	0.0000	0.0307	0.0158	0.0000	0.0158	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0517	0.4524	0.5012	3.6000e-004		0.0201	0.0201		0.0201	0.0201	0.0000	31.2705	31.2705	0.0101	0.0000	31.5233
Total	0.0517	0.4524	0.5012	3.6000e-004	0.0307	0.0201	0.0507	0.0158	0.0201	0.0358	0.0000	31.2705	31.2705	0.0101	0.0000	31.5233

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8300e-003	0.0845	0.0229	2.0000e-004	4.9100e-003	3.9000e-004	5.3100e-003	1.4200e-003	3.8000e-004	1.7900e-003	0.0000	19.3772	19.3772	1.2300e-003	0.0000	19.4080
Worker	1.1600e-003	9.4000e-004	0.0104	3.0000e-005	2.7600e-003	2.0000e-005	2.7800e-003	7.3000e-004	2.0000e-005	7.6000e-004	0.0000	2.5738	2.5738	8.0000e-005	0.0000	2.5758
Total	3.9900e-003	0.0855	0.0333	2.3000e-004	7.6700e-003	4.1000e-004	8.0900e-003	2.1500e-003	4.0000e-004	2.5500e-003	0.0000	21.9510	21.9510	1.3100e-003	0.0000	21.9839

3.5 Building Construction - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0541	0.4892	0.4296	6.9000e-004		0.0285	0.0285		0.0268	0.0268	0.0000	59.0606	59.0606	0.0144	0.0000	59.4208
Total	0.0541	0.4892	0.4296	6.9000e-004		0.0285	0.0285		0.0268	0.0268	0.0000	59.0606	59.0606	0.0144	0.0000	59.4208

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4700e-003	0.1934	0.0524	4.6000e-004	0.0112	9.0000e-004	0.0121	3.2500e-003	8.6000e-004	4.1100e-003	0.0000	44.3441	44.3441	2.8200e-003	0.0000	44.4145
Worker	9.8900e-003	7.9700e-003	0.0882	2.4000e-004	0.0235	2.0000e-004	0.0237	6.2300e-003	1.8000e-004	6.4200e-003	0.0000	21.8773	21.8773	6.9000e-004	0.0000	21.8946
Total	0.0164	0.2014	0.1405	7.0000e-004	0.0347	1.1000e-003	0.0358	9.4800e-003	1.0400e-003	0.0105	0.0000	66.2214	66.2214	3.5100e-003	0.0000	66.3091

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1385	0.8223	0.8710	6.9000e-004		0.0594	0.0594		0.0594	0.0594	0.0000	59.0605	59.0605	0.0144	0.0000	59.4207
Total	0.1385	0.8223	0.8710	6.9000e-004		0.0594	0.0594		0.0594	0.0594	0.0000	59.0605	59.0605	0.0144	0.0000	59.4207

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4700e-003	0.1934	0.0524	4.6000e-004	0.0112	9.0000e-004	0.0121	3.2500e-003	8.6000e-004	4.1100e-003	0.0000	44.3441	44.3441	2.8200e-003	0.0000	44.4145
Worker	9.8900e-003	7.9700e-003	0.0882	2.4000e-004	0.0235	2.0000e-004	0.0237	6.2300e-003	1.8000e-004	6.4200e-003	0.0000	21.8773	21.8773	6.9000e-004	0.0000	21.8946
Total	0.0164	0.2014	0.1405	7.0000e-004	0.0347	1.1000e-003	0.0358	9.4800e-003	1.0400e-003	0.0105	0.0000	66.2214	66.2214	3.5100e-003	0.0000	66.3091

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.2975	2.7281	2.5940	4.2100e-003		0.1500	0.1500		0.1411	0.1411	0.0000	362.5123	362.5123	0.0875	0.0000	364.6988
Total	0.2975	2.7281	2.5940	4.2100e-003		0.1500	0.1500		0.1411	0.1411	0.0000	362.5123	362.5123	0.0875	0.0000	364.6988

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0340	1.0811	0.2931	2.7900e-003	0.0690	2.2000e-003	0.0712	0.0199	2.1100e-003	0.0220	0.0000	270.0370	270.0370	0.0166	0.0000	270.4511
Worker	0.0566	0.0440	0.4971	1.4400e-003	0.1441	1.1900e-003	0.1452	0.0383	1.0900e-003	0.0394	0.0000	130.0030	130.0030	3.8300e-003	0.0000	130.0987
Total	0.0906	1.1252	0.7903	4.2300e-003	0.2131	3.3900e-003	0.2165	0.0582	3.2000e-003	0.0614	0.0000	400.0400	400.0400	0.0204	0.0000	400.5498

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.8499	5.0467	5.3458	4.2100e-003		0.3645	0.3645		0.3645	0.3645	0.0000	362.5119	362.5119	0.0875	0.0000	364.6984
Total	0.8499	5.0467	5.3458	4.2100e-003		0.3645	0.3645		0.3645	0.3645	0.0000	362.5119	362.5119	0.0875	0.0000	364.6984

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0340	1.0811	0.2931	2.7900e-003	0.0690	2.2000e-003	0.0712	0.0199	2.1100e-003	0.0220	0.0000	270.0370	270.0370	0.0166	0.0000	270.4511
Worker	0.0566	0.0440	0.4971	1.4400e-003	0.1441	1.1900e-003	0.1452	0.0383	1.0900e-003	0.0394	0.0000	130.0030	130.0030	3.8300e-003	0.0000	130.0987

Total	0.0906	1.1252	0.7903	4.2300e-003	0.2131	3.3900e-003	0.2165	0.0582	3.2000e-003	0.0614	0.0000	400.0400	400.0400	0.0204	0.0000	400.5498
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3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1143	1.0463	1.0964	1.8000e-003		0.0542	0.0542		0.0510	0.0510	0.0000	155.2559	155.2559	0.0372	0.0000	156.1858
Total	0.1143	1.0463	1.0964	1.8000e-003		0.0542	0.0542		0.0510	0.0510	0.0000	155.2559	155.2559	0.0372	0.0000	156.1858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.4397	0.1187	1.1800e-003	0.0295	8.3000e-004	0.0304	8.5300e-003	7.9000e-004	9.3200e-003	0.0000	114.5915	114.5915	6.8400e-003	0.0000	114.7626
Worker	0.0227	0.0170	0.1961	5.9000e-004	0.0617	4.9000e-004	0.0622	0.0164	4.5000e-004	0.0168	0.0000	53.6998	53.6998	1.4800e-003	0.0000	53.7368
Total	0.0364	0.4568	0.3148	1.7700e-003	0.0912	1.3200e-003	0.0925	0.0249	1.2400e-003	0.0262	0.0000	168.2913	168.2913	8.3200e-003	0.0000	168.4994

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3639	2.1606	2.2886	1.8000e-003		0.1561	0.1561		0.1561	0.1561	0.0000	155.2557	155.2557	0.0372	0.0000	156.1856
Total	0.3639	2.1606	2.2886	1.8000e-003		0.1561	0.1561		0.1561	0.1561	0.0000	155.2557	155.2557	0.0372	0.0000	156.1856

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.4397	0.1187	1.1800e-003	0.0295	8.3000e-004	0.0304	8.5300e-003	7.9000e-004	9.3200e-003	0.0000	114.5915	114.5915	6.8400e-003	0.0000	114.7626
Worker	0.0227	0.0170	0.1961	5.9000e-004	0.0617	4.9000e-004	0.0622	0.0164	4.5000e-004	0.0168	0.0000	53.6998	53.6998	1.4800e-003	0.0000	53.7368
Total	0.0364	0.4568	0.3148	1.7700e-003	0.0912	1.3200e-003	0.0925	0.0249	1.2400e-003	0.0262	0.0000	168.2913	168.2913	8.3200e-003	0.0000	168.4994

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	tons/yr										MT/yr					

Archit. Coating	0.5973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1229	0.1463	2.4000e-004		7.5700e-003	7.5700e-003		7.5700e-003	7.5700e-003	0.0000	20.5537	20.5537	1.4100e-003	0.0000	20.5890
Total	0.6149	0.1229	0.1463	2.4000e-004		7.5700e-003	7.5700e-003		7.5700e-003	7.5700e-003	0.0000	20.5537	20.5537	1.4100e-003	0.0000	20.5890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0113	0.3575	0.0969	9.2000e-004	0.0228	7.3000e-004	0.0236	6.5900e-003	7.0000e-004	7.2800e-003	0.0000	89.2934	89.2934	5.4800e-003	0.0000	89.4303
Worker	0.0509	0.0396	0.4475	1.2900e-003	0.1297	1.0700e-003	0.1307	0.0344	9.8000e-004	0.0354	0.0000	117.0235	117.0235	3.4400e-003	0.0000	117.1096
Total	0.0622	0.3971	0.5444	2.2100e-003	0.1525	1.8000e-003	0.1543	0.0410	1.6800e-003	0.0427	0.0000	206.3169	206.3169	8.9200e-003	0.0000	206.5399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0474	0.2607	0.2751	2.4000e-004		0.0220	0.0220		0.0220	0.0220	0.0000	20.5537	20.5537	1.4100e-003	0.0000	20.5889
Total	0.6447	0.2607	0.2751	2.4000e-004		0.0220	0.0220		0.0220	0.0220	0.0000	20.5537	20.5537	1.4100e-003	0.0000	20.5889

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0113	0.3575	0.0969	9.2000e-004	0.0228	7.3000e-004	0.0236	6.5900e-003	7.0000e-004	7.2800e-003	0.0000	89.2934	89.2934	5.4800e-003	0.0000	89.4303
Worker	0.0509	0.0396	0.4475	1.2900e-003	0.1297	1.0700e-003	0.1307	0.0344	9.8000e-004	0.0354	0.0000	117.0235	117.0235	3.4400e-003	0.0000	117.1096
Total	0.0622	0.3971	0.5444	2.2100e-003	0.1525	1.8000e-003	0.1543	0.0410	1.6800e-003	0.0427	0.0000	206.3169	206.3169	8.9200e-003	0.0000	206.5399

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0320	0.2204	0.2838	4.7000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	39.9584	39.9584	2.6000e-003	0.0000	40.0235
Total	1.1932	0.2204	0.2838	4.7000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	39.9584	39.9584	2.6000e-003	0.0000	40.0235

Unmitigated Construction Off-Site

Vendor	0.0205	0.6603	0.1783	1.7700e-003	0.0444	1.2400e-003	0.0456	0.0128	1.1800e-003	0.0140	0.0000	172.0705	172.0705	0.0103	0.0000	172.3274
Worker	0.0928	0.0696	0.8016	2.4300e-003	0.2521	2.0100e-003	0.2541	0.0670	1.8500e-003	0.0688	0.0000	219.5081	219.5081	6.0500e-003	0.0000	219.6592
Total	0.1134	0.7299	0.9799	4.2000e-003	0.2965	3.2500e-003	0.2997	0.0798	3.0300e-003	0.0828	0.0000	391.5786	391.5786	0.0163	0.0000	391.9866

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2040					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2700e-003	0.0358	0.0498	8.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	7.0215	7.0215	4.2000e-004	0.0000	7.0320
Total	0.2093	0.0358	0.0498	8.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	7.0215	7.0215	4.2000e-004	0.0000	7.0320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6800e-003	0.0877	0.0281	3.0000e-004	7.8000e-003	1.0000e-004	7.9000e-003	2.2500e-003	1.0000e-004	2.3500e-003	0.0000	29.2895	29.2895	1.6000e-003	0.0000	29.3294
Worker	0.0153	0.0111	0.1295	4.1000e-004	0.0443	3.4000e-004	0.0446	0.0118	3.2000e-004	0.0121	0.0000	37.1603	37.1603	9.6000e-004	0.0000	37.1842
Total	0.0180	0.0987	0.1576	7.1000e-004	0.0521	4.4000e-004	0.0525	0.0140	4.2000e-004	0.0144	0.0000	66.4497	66.4497	2.5600e-003	0.0000	66.5135

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2040					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.0891	0.0940	8.0000e-005		7.5200e-003	7.5200e-003		7.5200e-003	7.5200e-003	0.0000	7.0214	7.0214	4.2000e-004	0.0000	7.0319
Total	0.2203	0.0891	0.0940	8.0000e-005		7.5200e-003	7.5200e-003		7.5200e-003	7.5200e-003	0.0000	7.0214	7.0214	4.2000e-004	0.0000	7.0319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6800e-003	0.0877	0.0281	3.0000e-004	7.8000e-003	1.0000e-004	7.9000e-003	2.2500e-003	1.0000e-004	2.3500e-003	0.0000	29.2895	29.2895	1.6000e-003	0.0000	29.3294
Worker	0.0153	0.0111	0.1295	4.1000e-004	0.0443	3.4000e-004	0.0446	0.0118	3.2000e-004	0.0121	0.0000	37.1603	37.1603	9.6000e-004	0.0000	37.1842
Total	0.0180	0.0987	0.1576	7.1000e-004	0.0521	4.4000e-004	0.0525	0.0140	4.2000e-004	0.0144	0.0000	66.4497	66.4497	2.5600e-003	0.0000	66.5135

3.7 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0117	0.1143	0.1463	2.3000e-004		5.8500e-003	5.8500e-003		5.4000e-003	5.4000e-003	0.0000	19.6510	19.6510	6.1700e-003	0.0000	19.8054
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0117	0.1143	0.1463	2.3000e-004		5.8500e-003	5.8500e-003		5.4000e-003	5.4000e-003	0.0000	19.6510	19.6510	6.1700e-003	0.0000	19.8054

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0506	0.0137	1.4000e-004	3.4000e-003	1.0000e-004	3.5000e-003	9.8000e-004	9.0000e-005	1.0700e-003	0.0000	13.1939	13.1939	7.9000e-004	0.0000	13.2136
Worker	7.1200e-003	5.3400e-003	0.0615	1.9000e-004	0.0193	1.5000e-004	0.0195	5.1300e-003	1.4000e-004	5.2800e-003	0.0000	16.8313	16.8313	4.6000e-004	0.0000	16.8429
Total	8.6900e-003	0.0560	0.0751	3.3000e-004	0.0227	2.5000e-004	0.0230	6.1100e-003	2.3000e-004	6.3500e-003	0.0000	30.0252	30.0252	1.2500e-003	0.0000	30.0565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0424	0.2870	0.3028	2.3000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	19.6510	19.6510	6.1700e-003	0.0000	19.8054

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0424	0.2870	0.3028	2.3000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	19.6510	19.6510	6.1700e-003	0.0000	19.8054

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0506	0.0137	1.4000e-004	3.4000e-003	1.0000e-004	3.5000e-003	9.8000e-004	9.0000e-005	1.0700e-003	0.0000	13.1939	13.1939	7.9000e-004	0.0000	13.2136
Worker	7.1200e-003	5.3400e-003	0.0615	1.9000e-004	0.0193	1.5000e-004	0.0195	5.1300e-003	1.4000e-004	5.2800e-003	0.0000	16.8313	16.8313	4.6000e-004	0.0000	16.8429
Total	8.6900e-003	0.0560	0.0751	3.3000e-004	0.0227	2.5000e-004	0.0230	6.1100e-003	2.3000e-004	6.3500e-003	0.0000	30.0252	30.0252	1.2500e-003	0.0000	30.0565

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0142	0.1363	0.1890	2.9000e-004		6.7500e-003	6.7500e-003		6.2400e-003	6.2400e-003	0.0000	25.3868	25.3868	7.9800e-003	0.0000	25.5862
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0142	0.1363	0.1890	2.9000e-004		6.7500e-003	6.7500e-003		6.2400e-003	6.2400e-003	0.0000	25.3868	25.3868	7.9800e-003	0.0000	25.5862

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5100e-003	0.0494	0.0158	1.7000e-004	4.3900e-003	6.0000e-005	4.4500e-003	1.2700e-003	6.0000e-005	1.3200e-003	0.0000	16.5086	16.5086	9.0000e-004	0.0000	16.5311
Worker	8.6400e-003	6.2400e-003	0.0730	2.3000e-004	0.0250	1.9000e-004	0.0252	6.6300e-003	1.8000e-004	6.8100e-003	0.0000	20.9449	20.9449	5.4000e-004	0.0000	20.9584
Total	0.0102	0.0557	0.0888	4.0000e-004	0.0294	2.5000e-004	0.0296	7.9000e-003	2.4000e-004	8.1300e-003	0.0000	37.4535	37.4535	1.4400e-003	0.0000	37.4894

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0547	0.3708	0.3912	2.9000e-004		0.0217	0.0217		0.0217	0.0217	0.0000	25.3868	25.3868	7.9800e-003	0.0000	25.5862
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0547	0.3708	0.3912	2.9000e-004		0.0217	0.0217		0.0217	0.0217	0.0000	25.3868	25.3868	7.9800e-003	0.0000	25.5862

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5100e-003	0.0494	0.0158	1.7000e-004	4.3900e-003	6.0000e-005	4.4500e-003	1.2700e-003	6.0000e-005	1.3200e-003	0.0000	16.5086	16.5086	9.0000e-004	0.0000	16.5311
Worker	8.6400e-003	6.2400e-003	0.0730	2.3000e-004	0.0250	1.9000e-004	0.0252	6.6300e-003	1.8000e-004	6.8100e-003	0.0000	20.9449	20.9449	5.4000e-004	0.0000	20.9584
Total	0.0102	0.0557	0.0888	4.0000e-004	0.0294	2.5000e-004	0.0296	7.9000e-003	2.4000e-004	8.1300e-003	0.0000	37.4535	37.4535	1.4400e-003	0.0000	37.4894

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.3182	1.4879	4.4123	0.0175	1.5301	0.0133	1.5434	0.4101	0.0124	0.4225	0.0000	1,616.2720	1,616.2720	0.0767	0.0000	1,618.1902
Unmitigated	0.3182	1.4879	4.4123	0.0175	1.5301	0.0133	1.5434	0.4101	0.0124	0.4225	0.0000	1,616.2720	1,616.2720	0.0767	0.0000	1,618.1902

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments High Rise	1,179.90	1,179.90	1179.90	4,031,898	4,031,898
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	1,179.90	1,179.90	1,179.90	4,031,898	4,031,898

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,459.5542	1,459.5542	0.0345	7.1300e-003	1,462.5414
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,459.5542	1,459.5542	0.0345	7.1300e-003	1,462.5414
NaturalGas Mitigated	0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.3551	280.3551	5.3700e-003	5.1400e-003	282.0211
NaturalGas Unmitigated	0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.3551	280.3551	5.3700e-003	5.1400e-003	282.0211

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	5.25366e+006	0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.3551	280.3551	5.3700e-003	5.1400e-003	282.0211
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.3551	280.3551	5.3700e-003	5.1400e-003	282.0211

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	5.25366e+006	0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.3551	280.3551	5.3700e-003	5.1400e-003	282.0211
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2421	0.1030	1.5500e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.3551	280.3551	5.3700e-003	5.1400e-003	282.0211

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Apartments High Rise	2.25725e+006	1,257.1990	0.0297	6.1400e-003	1,259.7720
Enclosed Parking with Elevator	363320	202.3553	4.7800e-003	9.9000e-004	202.7694
Total		1,459.5542	0.0345	7.1300e-003	1,462.5414

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	2.25725e+006	1,257.1990	0.0297	6.1400e-003	1,259.7720
Enclosed Parking with Elevator	363320	202.3553	4.7800e-003	9.9000e-004	202.7694
Total		1,459.5542	0.0345	7.1300e-003	1,462.5414

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6337	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364
Unmitigated	2.6337	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2606					0.0000	0.0000		0.0000	0.0000	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	0.1769	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364
Total	2.6337	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					

Architectural Coating	0.1962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2606					0.0000	0.0000		0.0000	0.0000	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	0.1769	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364
Total	2.6337	0.0677	5.8777	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	9.6058	9.6058	9.2200e-003	0.0000	9.8364

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	360.9284	0.9764	0.0246	392.6625
Unmitigated	425.9884	1.2199	0.0306	465.6045

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	37.1378 / 23.413	425.9884	1.2199	0.0306	465.6045
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		425.9884	1.2199	0.0306	465.6045

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	29.7102 / 21.9848	360.9284	0.9764	0.0246	392.6625
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		360.9284	0.9764	0.0246	392.6625

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	53.2242	3.1455	0.0000	131.8608
Unmitigated	53.2242	3.1455	0.0000	131.8608

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	262.2	53.2242	3.1455	0.0000	131.8608
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		53.2242	3.1455	0.0000	131.8608

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	262.2	53.2242	3.1455	0.0000	131.8608
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000

Total		53.2242	3.1455	0.0000	131.8608
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9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

350 Fig SCEA - Proposed - Los Angeles-South Coast County, Summer

350 Fig SCEA - Proposed
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	570.00	Dwelling Unit	3.67	624,500.00	1630
Enclosed Parking with Elevator	155.00	Space	0.00	62,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The Project would add 624,500 square feet of a new residential building on a 3.67 acre site. The building would also contain 155 vehicle spaces.

Construction Phase - Construction duration approximately 39 months to begin in 2020 and continue through 2023.

Grading -

Demolition - Demolition of existing 29,500 square foot building

Trips and VMT - Site specific construction details

Vehicle Trips - Trip rates based on the December 2016 Transportation Impact Study

Woodstoves - No woodstoves

tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstructionPhase	NumDays	18.00	529.00
tblConstructionPhase	NumDays	230.00	498.00
tblConstructionPhase	NumDays	20.00	103.00
tblConstructionPhase	NumDays	8.00	24.00
tblConstructionPhase	NumDays	18.00	55.00
tblConstructionPhase	NumDays	5.00	132.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	2/25/2021	3/6/2023
tblConstructionPhase	PhaseEndDate	1/6/2021	6/6/2022
tblConstructionPhase	PhaseEndDate	1/31/2020	5/4/2020
tblConstructionPhase	PhaseEndDate	2/19/2020	11/2/2020
tblConstructionPhase	PhaseEndDate	2/1/2021	2/6/2023
tblConstructionPhase	PhaseEndDate	2/7/2020	10/5/2020
tblConstructionPhase	PhaseStartDate	2/2/2021	6/28/2021
tblConstructionPhase	PhaseStartDate	2/20/2020	11/3/2020
tblConstructionPhase	PhaseStartDate	2/8/2020	10/6/2020
tblConstructionPhase	PhaseStartDate	1/7/2021	12/5/2022
tblConstructionPhase	PhaseStartDate	2/1/2020	5/5/2020
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	484.50	0.00
tblFireplaces	NumberNoFireplace	57.00	0.00
tblFireplaces	NumberWood	28.50	0.00
tblLandUse	LandUseSquareFeet	570,000.00	624,500.00
tblLandUse	LotAcreage	9.19	3.67
tblLandUse	LotAcreage	1.39	0.00
tblTripsAndVMT	VendorTripNumber	0.00	25.00
tblTripsAndVMT	VendorTripNumber	0.00	65.00
tblTripsAndVMT	VendorTripNumber	71.00	70.00
tblTripsAndVMT	VendorTripNumber	0.00	45.00
tblTripsAndVMT	VendorTripNumber	0.00	45.00
tblTripsAndVMT	WorkerTripNumber	15.00	17.00
tblTripsAndVMT	WorkerTripNumber	18.00	17.00
tblTripsAndVMT	WorkerTripNumber	15.00	21.00
tblTripsAndVMT	WorkerTripNumber	436.00	84.00
tblTripsAndVMT	WorkerTripNumber	20.00	147.00
tblTripsAndVMT	WorkerTripNumber	87.00	147.00
tblVehicleTrips	ST_TR	4.98	2.07
tblVehicleTrips	SU_TR	3.65	2.07
tblVehicleTrips	WD_TR	4.20	2.07
tblWoodstoves	NumberCatalytic	28.50	0.00
tblWoodstoves	NumberNoncatalytic	28.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/6/2020	5/4/2020	6	103	
2	Site Preparation	Site Preparation	5/5/2020	10/5/2020	6	132	
3	Grading	Grading	10/6/2020	11/2/2020	6	24	
4	Building Construction	Building Construction	11/3/2020	6/6/2022	6	498	
5	Architectural Coating	Architectural Coating	6/28/2021	3/6/2023	6	529	
6	Paving	Paving	12/5/2022	2/6/2023	6	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12

Acres of Paving: 0

Residential Indoor: 1,264,613; Residential Outdoor: 421,538; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

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	6	17.00	0.00	134.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	17.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	21.00	65.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	84.00	70.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	147.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	147.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					0.2819	0.0000	0.2819	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.2819	1.6587	1.9406	0.0427	1.5419	1.5845		3,747.7049	3,747.7049	1.0580		3,774.1536

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	0.0114	0.3741	0.0829	1.0300e-003	0.0228	1.1900e-003	0.0239	6.2400e-003	1.1400e-003	7.3800e-003		111.3412	111.3412	7.5800e-003		111.5307
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	0.0782	0.0557	0.7443	2.0100e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519		199.9392	199.9392	6.3000e-003		200.0968
Total	0.0896	0.4297	0.8272	3.0400e-003	0.2128	2.7800e-003	0.2156	0.0566	2.6000e-003	0.0592		311.2804	311.2804	0.0139		311.6275

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1100	0.0000	0.1100	0.0167	0.0000	0.0167			0.0000			0.0000

Off-Road	5.1703	48.2630	53.1625	0.0388		1.8225	1.8225		1.8225	1.8225	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	5.1703	48.2630	53.1625	0.0388	0.1100	1.8225	1.9324	0.0167	1.8225	1.8391	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

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	0.0114	0.3741	0.0829	1.0300e-003	0.0228	1.1900e-003	0.0239	6.2400e-003	1.1400e-003	7.3800e-003		111.3412	111.3412	7.5800e-003		111.5307
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	0.0782	0.0557	0.7443	2.0100e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519		199.9392	199.9392	6.3000e-003		200.0968
Total	0.0896	0.4297	0.8272	3.0400e-003	0.2128	2.7800e-003	0.2156	0.0566	2.6000e-003	0.0592		311.2804	311.2804	0.0139		311.6275

3.3 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

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	0.0889	2.6593	0.6968	6.4900e-003	0.1601	0.0125	0.1726	0.0461	0.0120	0.0581		692.5617	692.5617	0.0423			693.6183
Worker	0.0782	0.0557	0.7443	2.0100e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519		199.9392	199.9392	6.3000e-003			200.0968
Total	0.1672	2.7150	1.4411	8.5000e-003	0.3501	0.0141	0.3642	0.0965	0.0134	0.1099		892.5009	892.5009	0.0486			893.7151

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000				0.0000
Off-Road	4.9995	47.5587	53.5410	0.0380		1.9622	1.9622		1.9622	1.9622	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975
Total	4.9995	47.5587	53.5410	0.0380	7.0458	1.9622	9.0081	3.8730	1.9622	5.8352	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975

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
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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	0.0889	2.6593	0.6968	6.4900e-003	0.1601	0.0125	0.1726	0.0461	0.0120	0.0581		692.5617	692.5617	0.0423		693.6183
Worker	0.0782	0.0557	0.7443	2.0100e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519		199.9392	199.9392	6.3000e-003		200.0968
Total	0.1672	2.7150	1.4411	8.5000e-003	0.3501	0.0141	0.3642	0.0965	0.0134	0.1099		892.5009	892.5009	0.0486		893.7151

3.4 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.4851	2,872.4851	0.9290		2,895.7106

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	0.2312	6.9142	1.8116	0.0169	0.4161	0.0325	0.4487	0.1198	0.0311	0.1509		1,800.6605	1,800.6605	0.1099		1,803.4076

Worker	0.0966	0.0688	0.9195	2.4800e-003	0.2347	1.9600e-003	0.2367	0.0623	1.8100e-003	0.0641		246.9837	246.9837	7.7900e-003		247.1784
Total	0.3278	6.9830	2.7311	0.0193	0.6509	0.0345	0.6854	0.1821	0.0329	0.2150		2,047.6442	2,047.6442	0.1177		2,050.5859

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					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	4.3041	37.6966	41.7634	0.0297		1.6726	1.6726		1.6726	1.6726	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	4.3041	37.6966	41.7634	0.0297	2.5554	1.6726	4.2280	1.3133	1.6726	2.9859	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

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	0.2312	6.9142	1.8116	0.0169	0.4161	0.0325	0.4487	0.1198	0.0311	0.1509		1,800.6605	1,800.6605	0.1099		1,803.4076
Worker	0.0966	0.0688	0.9195	2.4800e-003	0.2347	1.9600e-003	0.2367	0.0623	1.8100e-003	0.0641		246.9837	246.9837	7.7900e-003		247.1784
Total	0.3278	6.9830	2.7311	0.0193	0.6509	0.0345	0.6854	0.1821	0.0329	0.2150		2,047.6442	2,047.6442	0.1177		2,050.5859

3.5 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

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	0.2490	7.4461	1.9509	0.0182	0.4481	0.0351	0.4832	0.1290	0.0335	0.1626		1,939.1729	1,939.1729	0.1183			1,942.1312
Worker	0.3866	0.2750	3.6779	9.9200e-003	0.9389	7.8500e-003	0.9468	0.2490	7.2300e-003	0.2562		987.9348	987.9348	0.0312			988.7135
Total	0.6355	7.7211	5.6288	0.0281	1.3871	0.0429	1.4300	0.3780	0.0408	0.4188		2,927.1077	2,927.1077	0.1495			2,930.8447

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
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Category	lb/day										lb/day					
Off-Road	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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	0.2490	7.4461	1.9509	0.0182	0.4481	0.0351	0.4832	0.1290	0.0335	0.1626		1,939.1729	1,939.1729	0.1183		1,942.1312
Worker	0.3866	0.2750	3.6779	9.9200e-003	0.9389	7.8500e-003	0.9468	0.2490	7.2300e-003	0.2562		987.9348	987.9348	0.0312		988.7135
Total	0.6355	7.7211	5.6288	0.0281	1.3871	0.0429	1.4300	0.3780	0.0408	0.4188		2,927.1077	2,927.1077	0.1495		2,930.8447

3.5 Building Construction - 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					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.2128	6.7963	1.7767	0.0180	0.4482	0.0139	0.4621	0.1290	0.0133	0.1423		1,924.1644	1,924.1644	0.1134			1,926.9984
Worker	0.3601	0.2475	3.3833	9.6000e-003	0.9389	7.5900e-003	0.9465	0.2490	6.9900e-003	0.2560		956.5667	956.5667	0.0282			957.2713
Total	0.5728	7.0438	5.1600	0.0276	1.3871	0.0215	1.4086	0.3780	0.0203	0.3983		2,880.7311	2,880.7311	0.1416			2,884.2697

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	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

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	0.2128	6.7963	1.7767	0.0180	0.4482	0.0139	0.4621	0.1290	0.0133	0.1423		1,924.1644	1,924.1644	0.1134		1,926.9984
Worker	0.3601	0.2475	3.3833	9.6000e-003	0.9389	7.5900e-003	0.9465	0.2490	6.9900e-003	0.2560		956.5667	956.5667	0.0282		957.2713
Total	0.5728	7.0438	5.1600	0.0276	1.3871	0.0215	1.4086	0.3780	0.0203	0.3983		2,880.7311	2,880.7311	0.1416		2,884.2697

3.5 Building Construction - 2022

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1997	6.4631	1.6811	0.0178	0.4482	0.0122	0.4603	0.1290	0.0116	0.1407		1,907.4012	1,907.4012	0.1095		1,910.1377
Worker	0.3373	0.2236	3.1215	9.2600e-003	0.9389	7.3500e-003	0.9463	0.2490	6.7700e-003	0.2558		922.9184	922.9184	0.0255		923.5552
Total	0.5370	6.6867	4.8025	0.0271	1.3871	0.0195	1.4066	0.3780	0.0184	0.3964		2,830.3196	2,830.3196	0.1349		2,833.6929

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	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1997	6.4631	1.6811	0.0178	0.4482	0.0122	0.4603	0.1290	0.0116	0.1407		1,907.4012	1,907.4012	0.1095		1,910.1377
Worker	0.3373	0.2236	3.1215	9.2600e-003	0.9389	7.3500e-003	0.9463	0.2490	6.7700e-003	0.2558		922.9184	922.9184	0.0255		923.5552

Total	0.5370	6.6867	4.8025	0.0271	1.3871	0.0195	1.4066	0.3780	0.0184	0.3964		2,830.3196	2,830.3196	0.1349		2,833.6929
												6				

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	7.4195					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	7.6384	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.1368	4.3690	1.1422	0.0116	0.2881	8.9300e-003	0.2970	0.0830	8.5400e-003	0.0915		1,236.9628	1,236.9628	0.0729		1,238.7847
Worker	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248
Total	0.7669	4.8022	7.0630	0.0284	1.9312	0.0222	1.9534	0.5187	0.0208	0.5395		2,910.9545	2,910.9545	0.1222		2,914.0094

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0193		281.9309
Total	8.0088	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.1368	4.3690	1.1422	0.0116	0.2881	8.9300e-003	0.2970	0.0830	8.5400e-003	0.0915		1,236.9628	1,236.9628	0.0729		1,238.7847
Worker	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248
Total	0.7669	4.8022	7.0630	0.0284	1.9312	0.0222	1.9534	0.5187	0.0208	0.5395		2,910.9545	2,910.9545	0.1222		2,914.0094

3.6 Architectural Coating - 2022

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	7.6240	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.1284	4.1549	1.0807	0.0115	0.2881	7.8100e-003	0.2959	0.0830	7.4700e-003	0.0904		1,226.1865	1,226.1865	0.0704		1,227.9457
Worker	0.5902	0.3912	5.4626	0.0162	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,615.1071	1,615.1071	0.0446		1,616.2216
Total	0.7186	4.5461	6.5432	0.0277	1.9312	0.0207	1.9519	0.5187	0.0193	0.5380		2,841.2936	2,841.2936	0.1150		2,844.1672

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062
Total	8.0088	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.1284	4.1549	1.0807	0.0115	0.2881	7.8100e-003	0.2959	0.0830	7.4700e-003	0.0904		1,226.1865	1,226.1865	0.0704			1,227.9457
Worker	0.5902	0.3912	5.4626	0.0162	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,615.1071	1,615.1071	0.0446			1,616.2216
Total	0.7186	4.5461	6.5432	0.0277	1.9312	0.0207	1.9519	0.5187	0.0193	0.5380		2,841.2936	2,841.2936	0.1150			2,844.1672

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690
Total	7.6111	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690

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	0.0952	3.1526	0.9760	0.0111	0.2881	3.6400e-003	0.2918	0.0830	3.4800e-003	0.0864		1,187.5834	1,187.5834	0.0624		1,189.1423
Worker	0.5543	0.3540	5.0305	0.0156	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,555.9685	1,555.9685	0.0402		1,556.9733
Total	0.6495	3.5065	6.0065	0.0267	1.9312	0.0161	1.9474	0.5187	0.0150	0.5337		2,743.5520	2,743.5520	0.1026		2,746.1157

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.0088	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.0952	3.1526	0.9760	0.0111	0.2881	3.6400e-003	0.2918	0.0830	3.4800e-003	0.0864		1,187.5834	1,187.5834	0.0624		1,189.1423
Worker	0.5543	0.3540	5.0305	0.0156	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,555.9685	1,555.9685	0.0402		1,556.9733
Total	0.6495	3.5065	6.0065	0.0267	1.9312	0.0161	1.9474	0.5187	0.0150	0.5337		2,743.5520	2,743.5520	0.1026		2,746.1157

3.7 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.1284	4.1549	1.0807	0.0115	0.2881	7.8100e-003	0.2959	0.0830	7.4700e-003	0.0904		1,226.1865	1,226.1865	0.0704		1,227.9457
Worker	0.5902	0.3912	5.4626	0.0162	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,615.1071	1,615.1071	0.0446		1,616.2216
Total	0.7186	4.5461	6.5432	0.0277	1.9312	0.0207	1.9519	0.5187	0.0193	0.5380		2,841.2936	2,841.2936	0.1150		2,844.1672

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	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.1284	4.1549	1.0807	0.0115	0.2881	7.8100e-003	0.2959	0.0830	7.4700e-003	0.0904		1,226.1865	1,226.1865	0.0704		1,227.9457
Worker	0.5902	0.3912	5.4626	0.0162	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,615.1071	1,615.1071	0.0446		1,616.2216
Total	0.7186	4.5461	6.5432	0.0277	1.9312	0.0207	1.9519	0.5187	0.0193	0.5380		2,841.2936	2,841.2936	0.1150		2,844.1672

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.0952	3.1526	0.9760	0.0111	0.2881	3.6400e-003	0.2918	0.0830	3.4800e-003	0.0864		1,187.5834	1,187.5834	0.0624		1,189.1423
Worker	0.5543	0.3540	5.0305	0.0156	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,555.9685	1,555.9685	0.0402		1,556.9733
Total	0.6495	3.5065	6.0065	0.0267	1.9312	0.0161	1.9474	0.5187	0.0150	0.5337		2,743.5520	2,743.5520	0.1026		2,746.1157

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	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.0952	3.1526	0.9760	0.0111	0.2881	3.6400e-003	0.2918	0.0830	3.4800e-003	0.0864		1,187.5834	1,187.5834	0.0624		1,189.1423
Worker	0.5543	0.3540	5.0305	0.0156	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,555.9685	1,555.9685	0.0402		1,556.9733
Total	0.6495	3.5065	6.0065	0.0267	1.9312	0.0161	1.9474	0.5187	0.0150	0.5337		2,743.5520	2,743.5520	0.1026		2,746.1157

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8466	7.8467	25.2544	0.0995	8.5729	0.0730	8.6459	2.2940	0.0679	2.3619		10,137.3177	10,137.3177	0.4682		10,149.0217

Unmitigated	1.8466	7.8467	25.2544	0.0995	8.5729	0.0730	8.6459	2.2940	0.0679	2.3619	10,137.3177	10,137.3177	0.4682	10,149.0217
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,179.90	1,179.90	1179.90	4,031,898	4,031,898
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	1,179.90	1,179.90	1,179.90	4,031,898	4,031,898

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
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

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	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249
NaturalGas Unmitigated	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249

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 High Rise	14393.6	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249

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 High Rise	14.3936	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421
Unmitigated	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421

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	1.0753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.3871					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	1.4148	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606		84.7087	84.7087	0.0813		86.7421
Total	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421

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	1.0753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.3871					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	1.4148	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606		84.7087	84.7087	0.0813		86.7421
Total	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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

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
----------------	--------

11.0 Vegetation

350 Fig SCEA - Proposed - Los Angeles-South Coast County, Winter

350 Fig SCEA - Proposed
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	570.00	Dwelling Unit	3.67	624,500.00	1630
Enclosed Parking with Elevator	155.00	Space	0.00	62,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The Project would add 624,500 square feet of a new residential building on a 3.67 acre site. The building would also contain 155 vehicle spaces.

Construction Phase - Construction duration approximately 39 months to begin in 2020 and continue through 2023.

Grading -

Demolition - Demolition of existing 29,500 square foot building

Trips and VMT - Site specific construction details

Vehicle Trips - Trip rates based on the December 2016 Transportation Impact Study

Woodstoves - No woodstoves

tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstEquipMitigation	Tier	No Change	Tier 1
tblConstructionPhase	NumDays	18.00	529.00
tblConstructionPhase	NumDays	230.00	498.00
tblConstructionPhase	NumDays	20.00	103.00
tblConstructionPhase	NumDays	8.00	24.00
tblConstructionPhase	NumDays	18.00	55.00
tblConstructionPhase	NumDays	5.00	132.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	2/25/2021	3/6/2023
tblConstructionPhase	PhaseEndDate	1/6/2021	6/6/2022
tblConstructionPhase	PhaseEndDate	1/31/2020	5/4/2020
tblConstructionPhase	PhaseEndDate	2/19/2020	11/2/2020
tblConstructionPhase	PhaseEndDate	2/1/2021	2/6/2023
tblConstructionPhase	PhaseEndDate	2/7/2020	10/5/2020
tblConstructionPhase	PhaseStartDate	2/2/2021	6/28/2021
tblConstructionPhase	PhaseStartDate	2/20/2020	11/3/2020
tblConstructionPhase	PhaseStartDate	2/8/2020	10/6/2020
tblConstructionPhase	PhaseStartDate	1/7/2021	12/5/2022
tblConstructionPhase	PhaseStartDate	2/1/2020	5/5/2020
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	484.50	0.00
tblFireplaces	NumberNoFireplace	57.00	0.00
tblFireplaces	NumberWood	28.50	0.00
tblLandUse	LandUseSquareFeet	570,000.00	624,500.00
tblLandUse	LotAcreage	9.19	3.67
tblLandUse	LotAcreage	1.39	0.00
tblTripsAndVMT	VendorTripNumber	0.00	25.00
tblTripsAndVMT	VendorTripNumber	0.00	65.00
tblTripsAndVMT	VendorTripNumber	71.00	70.00
tblTripsAndVMT	VendorTripNumber	0.00	45.00
tblTripsAndVMT	VendorTripNumber	0.00	45.00
tblTripsAndVMT	WorkerTripNumber	15.00	17.00
tblTripsAndVMT	WorkerTripNumber	18.00	17.00
tblTripsAndVMT	WorkerTripNumber	15.00	21.00
tblTripsAndVMT	WorkerTripNumber	436.00	84.00
tblTripsAndVMT	WorkerTripNumber	20.00	147.00
tblTripsAndVMT	WorkerTripNumber	87.00	147.00
tblVehicleTrips	ST_TR	4.98	2.07
tblVehicleTrips	SU_TR	3.65	2.07
tblVehicleTrips	WD_TR	4.20	2.07
tblWoodstoves	NumberCatalytic	28.50	0.00
tblWoodstoves	NumberNoncatalytic	28.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/6/2020	5/4/2020	6	103	
2	Site Preparation	Site Preparation	5/5/2020	10/5/2020	6	132	
3	Grading	Grading	10/6/2020	11/2/2020	6	24	
4	Building Construction	Building Construction	11/3/2020	6/6/2022	6	498	
5	Architectural Coating	Architectural Coating	6/28/2021	3/6/2023	6	529	
6	Paving	Paving	12/5/2022	2/6/2023	6	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12

Acres of Paving: 0

Residential Indoor: 1,264,613; Residential Outdoor: 421,538; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

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	6	17.00	0.00	134.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	17.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	21.00	65.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	84.00	70.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	147.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	147.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					0.2819	0.0000	0.2819	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.2819	1.6587	1.9406	0.0427	1.5419	1.5845		3,747.7049	3,747.7049	1.0580		3,774.1536

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	0.0116	0.3789	0.0881	1.0100e-003	0.0228	1.2100e-003	0.0240	6.2400e-003	1.1600e-003	7.4000e-003		109.4239	109.4239	7.8500e-003		109.6202
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	0.0869	0.0616	0.6817	1.8900e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519		188.2615	188.2615	5.9300e-003		188.4098
Total	0.0985	0.4405	0.7698	2.9000e-003	0.2128	2.8000e-003	0.2156	0.0566	2.6200e-003	0.0593		297.6854	297.6854	0.0138		298.0301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1100	0.0000	0.1100	0.0167	0.0000	0.0167			0.0000			0.0000

Off-Road	5.1703	48.2630	53.1625	0.0388		1.8225	1.8225		1.8225	1.8225	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	5.1703	48.2630	53.1625	0.0388	0.1100	1.8225	1.9324	0.0167	1.8225	1.8391	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

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	0.0116	0.3789	0.0881	1.0100e-003	0.0228	1.2100e-003	0.0240	6.2400e-003	1.1600e-003	7.4000e-003		109.4239	109.4239	7.8500e-003		109.6202
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	0.0869	0.0616	0.6817	1.8900e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519		188.2615	188.2615	5.9300e-003		188.4098
Total	0.0985	0.4405	0.7698	2.9000e-003	0.2128	2.8000e-003	0.2156	0.0566	2.6200e-003	0.0593		297.6854	297.6854	0.0138		298.0301

3.3 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

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	0.0930	2.6588	0.7685	6.3100e-003	0.1601	0.0127	0.1728	0.0461	0.0122	0.0582		673.6227	673.6227	0.0450			674.7488
Worker	0.0869	0.0616	0.6817	1.8900e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519		188.2615	188.2615	5.9300e-003			188.4098
Total	0.1798	2.7204	1.4502	8.2000e-003	0.3501	0.0143	0.3644	0.0965	0.0136	0.1101		861.8841	861.8841	0.0510			863.1586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000	
Off-Road	4.9995	47.5587	53.5410	0.0380		1.9622	1.9622		1.9622	1.9622	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975
Total	4.9995	47.5587	53.5410	0.0380	7.0458	1.9622	9.0081	3.8730	1.9622	5.8352	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975

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
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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	0.0930	2.6588	0.7685	6.3100e-003	0.1601	0.0127	0.1728	0.0461	0.0122	0.0582	673.6227	673.6227	0.0450	674.7488		
Worker	0.0869	0.0616	0.6817	1.8900e-003	0.1900	1.5900e-003	0.1916	0.0504	1.4600e-003	0.0519	188.2615	188.2615	5.9300e-003	188.4098		
Total	0.1798	2.7204	1.4502	8.2000e-003	0.3501	0.0143	0.3644	0.0965	0.0136	0.1101	861.8841	861.8841	0.0510	863.1586		

3.4 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.4851	2,872.4851	0.9290		2,895.7106

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	0.2417	6.9128	1.9980	0.0164	0.4161	0.0331	0.4492	0.1198	0.0316	0.1514		1,751.4189	1,751.4189	0.1171		1,754.3468

Worker	0.1073	0.0761	0.8421	2.3300e-003	0.2347	1.9600e-003	0.2367	0.0623	1.8100e-003	0.0641		232.5583	232.5583	7.3300e-003		232.7415
Total	0.3490	6.9889	2.8401	0.0187	0.6509	0.0350	0.6859	0.1821	0.0334	0.2155		1,983.9772	1,983.9772	0.1245		1,987.0884

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					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	4.3041	37.6966	41.7634	0.0297		1.6726	1.6726		1.6726	1.6726	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	4.3041	37.6966	41.7634	0.0297	2.5554	1.6726	4.2280	1.3133	1.6726	2.9859	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

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	0.2417	6.9128	1.9980	0.0164	0.4161	0.0331	0.4492	0.1198	0.0316	0.1514		1,751.4189	1,751.4189	0.1171		1,754.3468
Worker	0.1073	0.0761	0.8421	2.3300e-003	0.2347	1.9600e-003	0.2367	0.0623	1.8100e-003	0.0641		232.5583	232.5583	7.3300e-003		232.7415
Total	0.3490	6.9889	2.8401	0.0187	0.6509	0.0350	0.6859	0.1821	0.0334	0.2155		1,983.9772	1,983.9772	0.1245		1,987.0884

3.5 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

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	0.2603	7.4445	2.1517	0.0177	0.4481	0.0356	0.4837	0.1290	0.0341	0.1631		1,886.1435	1,886.1435	0.1261			1,889.2966
Worker	0.4293	0.3045	3.3685	9.3400e-003	0.9389	7.8500e-003	0.9468	0.2490	7.2300e-003	0.2562		930.2331	930.2331	0.0293			930.9661
Total	0.6895	7.7490	5.5202	0.0270	1.3871	0.0435	1.4305	0.3780	0.0413	0.4193		2,816.3766	2,816.3766	0.1554			2,820.2627

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
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Category	lb/day										lb/day					
Off-Road	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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	0.2603	7.4445	2.1517	0.0177	0.4481	0.0356	0.4837	0.1290	0.0341	0.1631		1,886.1435	1,886.1435	0.1261		1,889.2966
Worker	0.4293	0.3045	3.3685	9.3400e-003	0.9389	7.8500e-003	0.9468	0.2490	7.2300e-003	0.2562		930.2331	930.2331	0.0293		930.9661
Total	0.6895	7.7490	5.5202	0.0270	1.3871	0.0435	1.4305	0.3780	0.0413	0.4193		2,816.3766	2,816.3766	0.1554		2,820.2627

3.5 Building Construction - 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					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.2234	6.7822	1.9654	0.0175	0.4482	0.0143	0.4625	0.1290	0.0137	0.1428		1,871.4187	1,871.4187	0.1208		1,874.4390
Worker	0.4005	0.2740	3.0934	9.0400e-003	0.9389	7.5900e-003	0.9465	0.2490	6.9900e-003	0.2560		900.6909	900.6909	0.0265		901.3535
Total	0.6239	7.0562	5.0587	0.0266	1.3871	0.0219	1.4090	0.3780	0.0207	0.3988		2,772.1096	2,772.1096	0.1473		2,775.7925

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	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.2234	6.7822	1.9654	0.0175	0.4482	0.0143	0.4625	0.1290	0.0137	0.1428		1,871.4187	1,871.4187	0.1208			1,874.4390
Worker	0.4005	0.2740	3.0934	9.0400e-003	0.9389	7.5900e-003	0.9465	0.2490	6.9900e-003	0.2560		900.6909	900.6909	0.0265			901.3535
Total	0.6239	7.0562	5.0587	0.0266	1.3871	0.0219	1.4090	0.3780	0.0207	0.3988		2,772.1096	2,772.1096	0.1473			2,775.7925

3.5 Building Construction - 2022

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120			2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120			2,569.6322

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2097	6.4456	1.8604	0.0173	0.4482	0.0126	0.4607	0.1290	0.0120	0.1410		1,854.7920	1,854.7920	0.1166		1,857.7062
Worker	0.3762	0.2474	2.8491	8.7200e-003	0.9389	7.3500e-003	0.9463	0.2490	6.7700e-003	0.2558		869.0383	869.0383	0.0239		869.6366
Total	0.5859	6.6930	4.7095	0.0261	1.3871	0.0199	1.4070	0.3780	0.0188	0.3968		2,723.8303	2,723.8303	0.1405		2,727.3427

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	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	5.4308	32.2471	34.1583	0.0269		2.3291	2.3291		2.3291	2.3291	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.2097	6.4456	1.8604	0.0173	0.4482	0.0126	0.4607	0.1290	0.0120	0.1410		1,854.7920	1,854.7920	0.1166		1,857.7062
Worker	0.3762	0.2474	2.8491	8.7200e-003	0.9389	7.3500e-003	0.9463	0.2490	6.7700e-003	0.2558		869.0383	869.0383	0.0239		869.6366

Total	0.5859	6.6930	4.7095	0.0261	1.3871	0.0199	1.4070	0.3780	0.0188	0.3968		2,723.8303	2,723.8303	0.1405		2,727.3427
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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	7.4195					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	7.6384	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.1436	4.3600	1.2635	0.0113	0.2881	9.2200e-003	0.2973	0.0830	8.8200e-003	0.0918		1,203.0549	1,203.0549	0.0777		1,204.9965
Worker	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.2091	1,576.2091	0.0464		1,577.3687
Total	0.8445	4.8394	6.6768	0.0271	1.9312	0.0225	1.9537	0.5187	0.0211	0.5398		2,779.2640	2,779.2640	0.1241		2,782.3652

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0193		281.9309
Total	8.0088	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.1436	4.3600	1.2635	0.0113	0.2881	9.2200e-003	0.2973	0.0830	8.8200e-003	0.0918		1,203.0549	1,203.0549	0.0777		1,204.9965
Worker	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.2091	1,576.2091	0.0464		1,577.3687
Total	0.8445	4.8394	6.6768	0.0271	1.9312	0.0225	1.9537	0.5187	0.0211	0.5398		2,779.2640	2,779.2640	0.1241		2,782.3652

3.6 Architectural Coating - 2022

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	7.6240	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.1348	4.1436	1.1960	0.0112	0.2881	8.0700e-003	0.2962	0.0830	7.7100e-003	0.0907		1,192.3663	1,192.3663	0.0749		1,194.2397
Worker	0.6583	0.4330	4.9859	0.0153	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,520.8171	1,520.8171	0.0419		1,521.8640
Total	0.7931	4.5766	6.1819	0.0264	1.9312	0.0209	1.9522	0.5187	0.0196	0.5383		2,713.1834	2,713.1834	0.1168		2,716.1037

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062
Total	8.0088	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.1348	4.1436	1.1960	0.0112	0.2881	8.0700e-003	0.2962	0.0830	7.7100e-003	0.0907		1,192.3663	1,192.3663	0.0749			1,194.2397
Worker	0.6583	0.4330	4.9859	0.0153	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,520.8171	1,520.8171	0.0419			1,521.8640
Total	0.7931	4.5766	6.1819	0.0264	1.9312	0.0209	1.9522	0.5187	0.0196	0.5383		2,713.1834	2,713.1834	0.1168			2,716.1037

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690
Total	7.6111	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690

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	0.1002	3.1382	1.0627	0.0108	0.2881	3.8300e-003	0.2919	0.0830	3.6600e-003	0.0866		1,155.3359	1,155.3359	0.0660		1,156.9851
Worker	0.6202	0.3916	4.5830	0.0147	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,465.1792	1,465.1792	0.0377		1,466.1219
Total	0.7204	3.5298	5.6457	0.0255	1.9312	0.0163	1.9476	0.5187	0.0152	0.5339		2,620.5151	2,620.5151	0.1037		2,623.1070

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	7.4195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5893	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.0088	3.2389	3.4172	2.9700e-003		0.2734	0.2734		0.2734	0.2734	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.1002	3.1382	1.0627	0.0108	0.2881	3.8300e-003	0.2919	0.0830	3.6600e-003	0.0866		1,155.3359	1,155.3359	0.0660		1,156.9851
Worker	0.6202	0.3916	4.5830	0.0147	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,465.1792	1,465.1792	0.0377		1,466.1219
Total	0.7204	3.5298	5.6457	0.0255	1.9312	0.0163	1.9476	0.5187	0.0152	0.5339		2,620.5151	2,620.5151	0.1037		2,623.1070

3.7 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.1348	4.1436	1.1960	0.0112	0.2881	8.0700e-003	0.2962	0.0830	7.7100e-003	0.0907		1,192.3663	1,192.3663	0.0749		1,194.2397
Worker	0.6583	0.4330	4.9859	0.0153	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,520.8171	1,520.8171	0.0419		1,521.8640
Total	0.7931	4.5766	6.1819	0.0264	1.9312	0.0209	1.9522	0.5187	0.0196	0.5383		2,713.1834	2,713.1834	0.1168		2,716.1037

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	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.1348	4.1436	1.1960	0.0112	0.2881	8.0700e-003	0.2962	0.0830	7.7100e-003	0.0907		1,192.3663	1,192.3663	0.0749		1,194.2397
Worker	0.6583	0.4330	4.9859	0.0153	1.6431	0.0129	1.6560	0.4358	0.0119	0.4476		1,520.8171	1,520.8171	0.0419		1,521.8640
Total	0.7931	4.5766	6.1819	0.0264	1.9312	0.0209	1.9522	0.5187	0.0196	0.5383		2,713.1834	2,713.1834	0.1168		2,716.1037

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.1002	3.1382	1.0627	0.0108	0.2881	3.8300e-003	0.2919	0.0830	3.6600e-003	0.0866		1,155.3359	1,155.3359	0.0660		1,156.9851
Worker	0.6202	0.3916	4.5830	0.0147	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,465.1792	1,465.1792	0.0377		1,466.1219
Total	0.7204	3.5298	5.6457	0.0255	1.9312	0.0163	1.9476	0.5187	0.0152	0.5339		2,620.5151	2,620.5151	0.1037		2,623.1070

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	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.5308	23.9193	25.2359	0.0189		1.4017	1.4017		1.4017	1.4017	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.1002	3.1382	1.0627	0.0108	0.2881	3.8300e-003	0.2919	0.0830	3.6600e-003	0.0866		1,155.3359	1,155.3359	0.0660		1,156.9851
Worker	0.6202	0.3916	4.5830	0.0147	1.6431	0.0125	1.6556	0.4358	0.0115	0.4473		1,465.1792	1,465.1792	0.0377		1,466.1219
Total	0.7204	3.5298	5.6457	0.0255	1.9312	0.0163	1.9476	0.5187	0.0152	0.5339		2,620.5151	2,620.5151	0.1037		2,623.1070

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7886	8.0367	23.8726	0.0947	8.5729	0.0733	8.6462	2.2940	0.0682	2.3621		9,654.9786	9,654.9786	0.4663		9,666.6365

Unmitigated	1.7886	8.0367	23.8726	0.0947	8.5729	0.0733	8.6462	2.2940	0.0682	2.3621		9,654.978	9,654.9786	0.4663		9,666.6365
												6				

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,179.90	1,179.90	1179.90	4,031,898	4,031,898
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	1,179.90	1,179.90	1,179.90	4,031,898	4,031,898

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

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
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Category	lb/day									lb/day						
NaturalGas Mitigated	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249
NaturalGas Unmitigated	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249

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 High Rise	14393.6	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249

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 High Rise	14.3936	0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1552	1.3265	0.5645	8.4700e-003		0.1073	0.1073		0.1073	0.1073		1,693.3621	1,693.3621	0.0325	0.0310	1,703.4249

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421
Unmitigated	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421

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	1.0753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.3871					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	1.4148	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606		84.7087	84.7087	0.0813		86.7421
Total	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421

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	1.0753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.3871					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	1.4148	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606		84.7087	84.7087	0.0813		86.7421
Total	14.8772	0.5417	47.0218	2.4800e-003		0.2606	0.2606		0.2606	0.2606	0.0000	84.7087	84.7087	0.0813	0.0000	86.7421

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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

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
