

3440 Wilshire Boulevard Future - Los Angeles-South Coast County, Summer

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,921.00	Space	1.00	768,400.00	0
Fast Food Restaurant w/o Drive Thru	2.00	1000sqft	0.05	2,000.00	0
High Turnover (Sit Down Restaurant)	4.60	1000sqft	0.09	4,600.00	0
Apartments High Rise	640.00	Dwelling Unit	1.10	701,315.00	1830
Strip Mall	5.54	1000sqft	0.09	5,538.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2026

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
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

Construction Phase - Consultant assumptions

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information
Off-road Equipment - Developer information
Off-road Equipment - Developer information
Trips and VMT - Developer information
Demolition - Developer information
Grading - Developer information
Vehicle Trips - Fehr & Peers Traffic Impact Analysis Table 3-Trip Generation
Woodstoves - Developer information
Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstrDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	220.00	938.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	6.00	66.00
tblConstructionPhase	NumDays	3.00	20.00
tblFireplaces	NumberGas	544.00	0.00
tblFireplaces	NumberNoFireplaces	64.00	641.00
tblFireplaces	NumberWood	32.00	0.00
tblGrading	AcresOfGrading	33.00	2.33
tblGrading	AcresOfGrading	30.00	0.00
tblGrading	MaterialExported	0.00	137,000.00
tblLandUse	LandUseSquareFeet	640,000.00	701,315.00
tblLandUse	LandUseSquareFeet	5,540.00	5,538.00
tblLandUse	LotAcreage	17.29	1.00
tblLandUse	LotAcreage	0.11	0.09
tblLandUse	LotAcreage	10.32	1.10
tblLandUse	LotAcreage	0.13	0.09
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	OffRoadEquipmentInitialAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentInitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentInitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentInitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentInitAmount	3.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripNumber	17,125.00	13,700.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	196.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	30.00	15.00
tblTripsAndVMT	WorkerTripNumber	28.00	20.00
tblTripsAndVMT	WorkerTripNumber	788.00	200.00
tblTripsAndVMT	WorkerTripNumber	158.00	5.00
tblVehicleTrips	DV_Trip	11.00	0.00
tblVehicleTrips	DV_Trip	37.00	0.00
tblVehicleTrips	DV_Trip	20.00	0.00
tblVehicleTrips	DV_Trip	40.00	0.00
tblVehicleTrips	HO_Trip	40.60	41.00
tblVehicleTrips	HS_Trip	19.20	19.00
tblVehicleTrips	HW_Trip	40.20	40.00
tblVehicleTrips	PB_Trip	3.00	0.00
tblVehicleTrips	PB_Trip	12.00	0.00
tblVehicleTrips	PB_Trip	43.00	0.00
tblVehicleTrips	PB_Trip	15.00	0.00
tblVehicleTrips	PR_Trip	86.00	100.00
tblVehicleTrips	PR_Trip	51.00	100.00
tblVehicleTrips	PR_Trip	37.00	100.00

tbVehicleTrips	PR_TP	45.00	100.00
tbVehicleTrips	ST_TR	4.98	2.84
tbVehicleTrips	ST_TR	696.00	100.54
tbVehicleTrips	ST_TR	158.37	57.44
tbVehicleTrips	ST_TR	42.04	12.00
tbVehicleTrips	SU_TR	3.65	2.84
tbVehicleTrips	SU_TR	500.00	100.54
tbVehicleTrips	SU_TR	131.84	57.44
tbVehicleTrips	SU_TR	20.43	12.00
tbVehicleTrips	WD_TR	4.20	2.84
tbVehicleTrips	WD_TR	716.00	100.54
tbVehicleTrips	WD_TR	127.15	57.44
tbVehicleTrips	WD_TR	44.32	12.00
tbWoodstoves	NumberCatalytic	32.00	0.00
tbWoodstoves	NumberNoncatalytic	32.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOK	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
2022	5.1708	95.8093	40.2942	0.2796	23.0428	1.4180	24.4608	4.9082	1.3365	6.2262	0.0000	29,741.1956	29,741.1956	2.9721	0.0000	29,815.4983
2023	3.6310	25.7361	32.8578	0.0733	2.3636	1.1058	3.4694	0.6297	1.0649	1.6947	0.0000	7,057.2426	7,057.2426	0.8377	0.0000	7,078.1854
2024	3.4186	24.1826	32.2092	0.0726	2.3636	0.9776	3.3411	0.6297	0.9406	1.5704	0.0000	6,989.6104	6,989.6104	0.8242	0.0000	7,010.2150
2025	25.0928	27.7317	36.1983	0.0880	2.6756	0.9654	3.6409	0.7183	0.9318	1.6501	0.0000	8,565.2291	8,565.2291	0.8960	0.0000	8,587.6283

2026	25.0584	27.6608	35.7794	0.0872	2.6756	0.9647	3.6403	0.7183	0.9312	1.6495	0.0000	8,486,6615	8,486,6615	0.8909	0.0000	8,508.9348
Maximum	25.0928	95.8093	40.2942	0.2796	23.0428	1.4180	24.4608	4.9082	1.3365	6.2262	0.0000	29,741,1956	29,741,1956	2.9721	0.0000	29,815.4983

Mitigated Construction

	ROG	NOK	CO	SO2	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					
2022	5.1708	95.8093	40.2942	0.2796	9.2789	1.4180	10.6969	2.3106	1.3365	3.6287	0.0000	29,741,1956	29,741,1956	2.9721	0.0000	29,815.4983
2023	3.6310	25.7361	32.8578	0.0733	1.4276	1.1058	2.5334	0.4000	1.0649	1.4649	0.0000	7,057,2425	7,057,2425	0.8377	0.0000	7,078.1854
2024	3.4186	24.1826	32.2092	0.0726	1.4276	0.9776	2.4052	0.4000	0.9406	1.3406	0.0000	6,989,6104	6,989,6104	0.8242	0.0000	7,010.2150
2025	25.0928	27.7317	36.1983	0.0880	1.6333	0.9654	2.5987	0.4625	0.9318	1.3943	0.0000	8,565,2291	8,565,2291	0.8960	0.0000	8,587.6283
2026	25.0584	27.6608	35.7794	0.0872	1.6333	0.9647	2.5980	0.4625	0.9312	1.3937	0.0000	8,486,6615	8,486,6615	0.8909	0.0000	8,508.9348
Maximum	25.0928	95.8093	40.2942	0.2796	9.2789	1.4180	10.6969	2.3106	1.3365	3.6287	0.0000	29,741,1956	29,741,1956	2.9721	0.0000	29,815.4983
	ROG	NOK	CO	SO2	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	53.50	0.00	45.96	46.93	0.00	27.90	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOK	CO	SO2	Fugitive 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	17.2921	0.6094	52.9476	2.8000e-003	0.2934	0.2934		0.2934	0.2934	0.0000	95.4965	95.4965	0.0921	0.0000	97.8002
Energy	0.2196	1.9009	0.9795	0.0120	0.1517	0.1517		0.1517	0.1517		2.395.1458	2.395.1456	0.0459	0.0439	2.409.3790
Mobile	3.4501	15.3238	47.8159	0.2012	0.1455	18.5800	4.9319	0.1351	5.0671		20,541.887	20,541.887	0.8979		20,564.333
											1	1			5
Total	20.9618	17.8341	101.7429	0.2160	0.5906	19.0251	4.9319	0.5802	5.5122	0.0000	23,032.529	23,032.529	1.0359	0.0439	23,074.512
											5	5			7

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	17,292.1	0.6094	52,947.6	2.8000e-003		0.2934	0.2934		0.2934	0.2934	0.0000	95.4965	95.4965	0.0921	0.0000	97.8002
Energy	0.2196	1.9009	0.9795	0.0120		0.1517	0.1517		0.1517	0.1517		22,395.1458	22,395.1458	0.0459	0.0439	2,409.3790
Mobile	3.4501	15.3238	47,8159	0.2012	18.4344	0.1455	18.5800	4.9319	0.1351	5.0671		20,541.8871	20,541.8871	0.0879		20,564.3335
Total	20,961.8	17,834.1	101,742.9	0.2160	18,434.4	0.5906	19,025.1	4,931.9	0.5802	5,512.2	0.0000	23,032.529	23,032.529	1.0359	0.0439	23,074.5127

[illegible]

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	7/3/2022	1/31/2022	5	21	
2	Site Preparation	Site Preparation	2/1/2022	2/28/2022	5	20	
3	Grading	Grading	3/1/2022	5/31/2022	5	66	

4	Building Construction	Building Construction	6/1/2022	1/2/2026	5	938
5	Architectural Coating	Architectural Coating	3/1/2025	1/2/2026	5	220

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.33

Acres of Paving: 1

Residential Indoor: 1,420,163; Residential Outdoor: 473,388; Non-Residential Indoor: 18,207; Non-Residential Outdoor: 6,069; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	3	8.00	16	0.38
Demolition	Dumpers/Tenders	0		16	0.38
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Bore/Drill Rigs	1	6.00	221	0.50
Site Preparation	Bore/Drill Rigs			221	0.50
Site Preparation	Cement and Mortar Mixers	1	6.00	9	0.56
Site Preparation	Cement and Mortar Mixers			9	0.56
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Cement and Mortar Mixers	1	6.00	9	0.56
Grading	Concrete/Industrial Saws	1	4.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	6.00	203	0.36
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Welders	1	6.00	46	0.45
Building Construction	Aerial Lifts	2	6.00	63	0.31
Building Construction	Aerial Lifts			63	0.31
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Air Compressors			78	0.48
Building Construction	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	6.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	15.00	4.00	1,978.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	20.00	4.00	13,700.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	200.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	5.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 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					
Fugitive Dust					20.3800	0.0000	20.3800	3.0857	0.0000	3.0857			0.0000			0.0000
OffRoad	2.9713	27.4795	26.4616	0.0494		1.3163	1.3163		1.2392	1.2392		4,721.4213	4,721.4213	1.1688		4,750.6412
Total	2.9713	27.4795	26.4616	0.0494	20.3800	1.3163	21.6963	3.0857	1.2392	4.3249		4,721.4213	4,721.4213	1.1688		4,750.6412

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	1.0509	30.9562	8.2722	0.1039	2.4696	0.0997	2.5693	0.6769	0.0954	0.7723		11,283.5994	11,283.5994	0.7302		11,301.8553
Vendor	0.0114	0.3693	0.0961	1.0200e-003	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0400e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	1.1225	31.3654	8.9257	0.1065	2.6628	0.1017	2.7645	0.7287	0.0973	0.8260		11,557.4006	11,557.4006	0.7410		11,575.9266

Mitigated Construction On-Site

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000			0.0000
Off-Road	1.7929	19.4202	15.0731	0.0373		0.7464	0.7464			0.6875	0.6875		3,598.2301	3,598.2301	1.1554		3,627.1156
Total	1.7929	19.4202	15.0731	0.0373	0.0000	0.7464	0.7464	0.0000	0.6875	0.6875			3,598.2301	3,598.2301	1.1554		3,627.1156

Unmitigated Construction Off-Site

Category	ROG	NOK	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	0.0114	0.3693	0.0961	1.0200e-003	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0400e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0716	0.4092	0.6535	2.6700e-003	0.1933	2.0000e-003	0.1953	0.0518	1.8700e-003	0.0537		273.8012	273.8012	0.0108		274.0713

Mitigated Construction On-Site

Category	ROG	NOK	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7929	19.4202	15.0731	0.0373		0.7464	0.7464		0.6875	0.6875	0.0000	3,598.2301	3,598.2301	1.1554		3,627.1156
Total	1.7929	19.4202	15.0731	0.0373	0.0000	0.7464	0.7464	0.0000	0.6875	0.6875	0.0000	3,598.2301	3,598.2301	1.1554		3,627.1156

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	0.0114	0.3693	0.0961	1.0200e-003	0.0172	6.9000e-004	0.0179	5.3100e-003	6.6000e-004	5.9800e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1006	1.3100e-003	0.1019	0.0280	1.2100e-003	0.0292		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0716	0.4092	0.6535	2.6700e-003	0.1178	2.0000e-003	0.1198	0.0333	1.8700e-003	0.0352		273.8012	273.8012	0.0108		274.0713

3.4 Grading - 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					
Fugitive Dust					6.2943	0.0000	6.2943	3.3498	0.0000	3.3498			0.0000			0.0000
Off-Road	2.7632	27.1660	21.2248	0.0475		1.1900	1.1900		1.1055	1.1055		4,545.8079	4,545.8079	1.3505		4,579.5705
Total	2.7632	27.1660	21.2248	0.0475	6.2943	1.1900	7.4843	3.3498	1.1055	4.4554		4,545.8079	4,545.8079	1.3505		4,579.5705

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
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Total	2.4077	68.6433	19.0694	0.2321	3.7001	0.2221	3.9223	1.0695	0.2125	1.2820		25,195.3877	25,195.3877	1.6216		25,235.9278
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3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	3.0396	25.7368	25.7776	0.0472		1.2378	1.2378		1.1936	1.1936		4,412.2312	4,412.2312	0.7695		4,431.4682
Total	3.0396	25.7368	25.7776	0.0472		1.2378	1.2378		1.1936	1.1936		4,412.2312	4,412.2312	0.7695		4,431.4682

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0571	1.8466	0.4803	3.0900e-003	0.1281	3.4700e-003	0.1315	0.0369	3.3200e-003	0.0402		544.9718	544.9718	0.0313		545.7536
Worker	0.8031	0.5323	7.4321	0.0221	2.2355	0.0175	2.2530	0.5929	0.0161	0.6090		2,197.4246	2,197.4246	0.0607		2,198.9409
Total	0.8601	2.3789	7.9124	0.0271	2.3636	0.0210	2.3846	0.6297	0.0194	0.6492		2,742.3964	2,742.3964	0.0919		2,744.6945

Mitigated Construction On-Site

Off-Road	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872		1.0477	1.0477		4.412.4637	4.412.4637	0.7553		4.431.3466
Total	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872		1.0477	1.0477		4.412.4637	4.412.4637	0.7553		4.431.3466

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0423	1.4011	0.4338	4.9300e-003	0.1281	1.6200e-003	0.1297	0.0369	1.5500e-003	0.0384		527.8149	527.8149	0.0277		528.5077
Worker	0.7541	0.4816	6.8443	0.0212	2.2355	0.0170	2.2525	0.5929	0.0157	0.6085		2.116.9640	2.116.9640	0.0547		2.118.3311
Total	0.7965	1.8827	7.2780	0.0262	2.3636	0.0186	2.3822	0.6297	0.0172	0.6469		2.644.7788	2.644.7788	0.0824		2.646.8388

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872		1.0477	1.0477		0.0000	4.412.4637	4.412.4637	0.7553		4.431.3466
Total	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872		1.0477	1.0477		0.0000	4.412.4637	4.412.4637	0.7553		4.431.3466

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
Vendor	0.0413	1.3958	0.4206	4.9000e-003	0.1281	1.6000e-003	0.1297	0.0369	1.5300e-003	0.0384	525.6729	525.6729	0.0273	526.3558	
Worker	0.7134	0.4392	6.3804	0.0206	2.2355	0.0168	2.2523	0.5929	0.0154	0.6083	2,051.3565	2,051.3565	0.0502	2,052.6107	
Total	0.7547	1.8350	6.8010	0.0255	2.3636	0.0184	2.3819	0.6297	0.0170	0.6467	2,577.0294	2,577.0294	0.0775	2,578.9666	

Mitigated 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
lb/day																
OffRoad	2.6639	22.3477	25.4083	0.0472		0.9592	0.9592		0.9237	0.9237	0.0000	4,412.5810	4,412.5810	0.7467		4,431.2484
Total	2.6639	22.3477	25.4083	0.0472		0.9592	0.9592		0.9237	0.9237	0.0000	4,412.5810	4,412.5810	0.7467		4,431.2484

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
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
Vendor	0.0413	1.3958	0.4206	4.9000e-003	0.0861	1.6000e-003	0.0877	0.0266	1.5300e-003	0.0281	525.6729	525.6729	0.0273			526.3558
Worker	0.7134	0.4392	6.3804	0.0206	1.3415	0.0168	1.3583	0.3734	0.0154	0.3889	2,051.3565	2,051.3565	0.0502			2,052.6107

Total	0.7547	1.8350	6.8010	0.0255	1.4276	0.0184	1.4460	0.4000	0.0170	0.4170		2,577.0294	2,577.0294	0.0775		2,578.9666
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3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4,412.8372	4,412.8372	0.7376		4,431.2759
Total	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4,412.8372	4,412.8372	0.7376		4,431.2759

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0403	1.3839	0.4098	4.8700e-003	0.1281	1.5700e-003	0.1296	0.0369	1.5000e-003	0.0384		522.7764	522.7764	0.0269		523.4498
Worker	0.6774	0.4018	5.9260	0.0198	2.2355	0.0164	2.2519	0.5929	0.0151	0.6080		1,971.8700	1,971.8700	0.0458		1,973.0140
Total	0.7177	1.7858	6.3357	0.0247	2.3636	0.0180	2.3816	0.6297	0.0166	0.6464		2,494.6463	2,494.6463	0.0727		2,496.4638

Mitigated Construction On-Site

Off-Road	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4.412.8372	4.412.8372	0.7376		4.431.2759
Total	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4.412.8372	4.412.8372	0.7376		4.431.2759

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0394	1.3711	0.4015	4.8400e-003	0.1281	1.5400e-003	0.1296	0.0369	1.4800e-003	0.0384		519.9950	519.9950	0.0266		520.6588
Worker	0.6464	0.3702	5.5415	0.0191	2.2355	0.0159	2.2514	0.5929	0.0146	0.6075		1,903.3593	1,903.3593	0.0420		1,904.4086
Total	0.6858	1.7413	5.9430	0.0239	2.3636	0.0174	2.3810	0.6297	0.0161	0.6458		2,423.3543	2,423.3543	0.0685		2,425.0674

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088	0.0000	4.412.8372	4.412.8372	0.7376		4.431.2759
Total	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088	0.0000	4.412.8372	4.412.8372	0.7376		4.431.2759

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
Vendor	0.0805	2.7679	0.8195	9.7500e-003	0.2561	3.1500e-003	0.2593	0.0737	3.0100e-003	0.0768	1.045.5527	1.045.5527	0.0539	1.046.8995	
Worker	0.0169	0.0101	0.1482	4.9000e-004	0.0559	4.1000e-004	0.0563	0.0148	3.8000e-004	0.0152	49.2968	49.2968	1.1400e-003	49.3254	
Total	0.0975	2.7779	0.9677	0.0102	0.3120	3.5600e-003	0.3156	0.0886	3.3900e-003	0.0920	1,094.8495	1,094.8495	0.0550	1,096.2249	

Mitigated 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
Archit. Coating	21.4296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	21.7713	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

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
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	0.0805	2.7679	0.8195	9.7500e-003	0.1722	3.1500e-003	0.1753	0.0531	3.0100e-003	0.0562	1.045.5527	1.045.5527	0.0539			1,046.8995
Worker	0.0169	0.0101	0.1482	4.9000e-004	0.0335	4.1000e-004	0.0340	9.3400e-003	3.8000e-004	9.7100e-003	49.2968	49.2968	1.1400e-003			49.3254

Total	0.0975	2.7779	0.9677	0.0102	0.2057	3.5600e-003	0.2093	0.0625	3.3900e-003	0.0659		1,094.8495	1,094.8495	0.0550		1,096.2249
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3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Archit. Coating	21.4296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	21.7713	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0787	2.7422	0.8030	9.6900e-003	0.2361	3.0900e-003	0.2392	0.0737	2.9500e-003	0.0767		1,039.9900	1,039.9900	0.0531		1,041.3177
Worker	0.0162	9.2600e-003	0.1385	4.8000e-004	0.0559	4.0000e-004	0.0563	0.0148	3.6000e-004	0.0152		47.5840	47.5840	1.0500e-003		47.6102
Total	0.0949	2.7515	0.9415	0.0102	0.3120	3.4900e-003	0.3155	0.0886	3.3100e-003	0.0919		1,087.5739	1,087.5739	0.0542		1,088.9279

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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	21.4296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	21.7713	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

Mitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0787	2.7422	0.8030	9.6900e-003	0.1722	3.0900e-003	0.1753	0.0531	2.9500e-003	0.0561		1,039.9900	1,039.9900	0.0531		1,041.3177
Worker	0.0162	9.2600e-003	0.1385	4.8000e-004	0.0335	4.0000e-004	0.0339	9.3400e-003	3.6000e-004	9.7000e-003		47.5840	47.5840	1.0500e-003		47.6102
Total	0.0949	2.7515	0.9415	0.0102	0.2057	3.4900e-003	0.2092	0.0625	3.3100e-003	0.0658		1,087.5739	1,087.5739	0.0542		1,088.9279

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOK	CO	SO2	Fugitive 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	3.4501	15.3238	47.8159	0.2012	18.4344	0.1455	18.5800	4.9319	0.1351	5.0671		20,541.887	20,541.887	0.8979		20,564.333
								1		1		1	1			5
Unmitigated	3.4501	15.3238	47.8159	0.2012	18.4344	0.1455	18.5800	4.9319	0.1351	5.0671		20,541.887	20,541.887	0.8979		20,564.333
												1	1			5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Apartments High Rise	1,817.60	1,817.60	1,817.60	6,991,856		6,991,856	
Enclosed Parking with Elevator	0.00	0.00	0.00				
Strip Mall	66.48	66.48	66.48	229,312		229,312	
Fast Food Restaurant w/o Drive Thru	201.08	201.08	201.08	602,965		602,965	
High Turnover (Sit Down Restaurant)	264.22	264.22	264.22	847,516		847,516	
Total	2,349.38	2,349.38	2,349.38	8,671,650		8,671,650	

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	40.00	19.00	41.00	100	0		0	
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0		0	
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0		0	
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	100	0		0	
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	100	0		0	

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.006267	0.000705	0.000834

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	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o	1264.44	0.0136	0.1240	0.1041	7.4000e-004	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	149.6414
High Turnover (Sit Down Restaurant)	2908.21	0.0314	0.2851	0.2395	1.7100e-003	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	344.1753
Strip Mall	24.8831	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	2.9448
Total		0.2196	1.9009	0.9795	0.0120	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	2,409.3790

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					
Apartments High Rise	16,1612	0.1743	1.4894	0.6338	9.5100e-003	0.1204	0.1204	0.1204	0.1204	0.1204	0.1204	1,901.3188	1,901.3188	0.0364	0.0349	1,912.6174	
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	0.0000	
Fast Food Restaurant w/o	1,26444	0.0136	0.1240	0.1041	7.4000e-004	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	148.7575	148.7575	2.8500e-003	2.7300e-003	149.6414	
High Turnover (Sit Down Restaurant)	2.90821	0.0314	0.2851	0.2395	1.7100e-003	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	342.1421	342.1421	6.5600e-003	6.2700e-003	344.1753	
Strip Mall	0.0248831	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	2.9274	2.9274	6.0000e-005	5.0000e-005	2.9448	
Total		0.2196	1.9009	0.9795	0.0120	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	2,395.1458	2,395.1458	0.0459	0.0439	2,409.3790	

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.2921	0.6094	52.9476	2.8000e-003		0.2934	0.2934		0.2934	0.2934	0.0000	95.4965	95.4965	0.0921	0.0000	97.8002
Unmitigated	17.2921	0.6094	52.9476	2.8000e-003		0.2934	0.2934		0.2934	0.2934	0.0000	95.4965	95.4965	0.0921	0.0000	97.8002

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	1.2917					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.3985					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	1.6020	0.6094	52.9476	2.8000e-003		0.2934	0.2934		0.2934	0.2934		95.4965	95.4965	0.0921		97.8002
Total	17.2921	0.6094	52.9476	2.8000e-003		0.2934	0.2934		0.2934	0.2934	0.0000	95.4965	95.4965	0.0921	0.0000	97.8002

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	1.2917					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

3440 Wilshire Boulevard Future - Los Angeles-South Coast County, Annual

3440 Wilshire Boulevard Future

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,921.00	Space	1.00	768,400.00	0
Fast Food Restaurant w/o Drive Thru	2.00	1000sqft	0.05	2,000.00	0
High Turnover (Sit Down Restaurant)	4.60	1000sqft	0.09	4,600.00	0
Apartments High Rise	640.00	Dwelling Unit	1.10	701,315.00	1830
Strip Mall	5.54	1000sqft	0.09	5,538.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2026

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
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information

Construction Phase - Consultant assumptions

Off-road Equipment - Developer information

Off-road Equipment - Developer information

Off-road Equipment - Developer information
Off-road Equipment - Developer information
Off-road Equipment - Developer information
Trips and VMT - Developer information
Demolition - Developer information
Grading - Developer information
Vehicle Trips - Fehr & Peers Traffic Impact Analysis Table 3-Trip Generation
Woodstoves - Developer information
Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	220.00	938.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	6.00	66.00
tblConstructionPhase	NumDays	3.00	20.00
tblFireplaces	NumberGas	544.00	0.00
tblFireplaces	NumberNoFireplace	64.00	641.00
tblFireplaces	NumberWood	32.00	0.00
tblGrading	AcresOfGrading	33.00	2.33
tblGrading	AcresOfGrading	30.00	0.00
tblGrading	MaterialExported	0.00	137,000.00
tblLandUse	LandUseSquareFeet	640,000.00	701,315.00
tblLandUse	LandUseSquareFeet	5,540.00	5,538.00
tblLandUse	LotAcres	17.29	1.00
tblLandUse	LotAcres	0.11	0.09
tblLandUse	LotAcres	10.32	1.10
tblLandUse	LotAcres	0.13	0.09
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tbOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tbTripsAndVMT	HaulingTripLength	20.00	30.00
tbTripsAndVMT	HaulingTripLength	20.00	30.00
tbTripsAndVMT	HaulingTripNumber	17,125.00	13,700.00
tbTripsAndVMT	VendorTripNumber	0.00	4.00
tbTripsAndVMT	VendorTripNumber	0.00	4.00
tbTripsAndVMT	VendorTripNumber	0.00	4.00
tbTripsAndVMT	VendorTripNumber	196.00	20.00
tbTripsAndVMT	VendorTripNumber	0.00	40.00
tbTripsAndVMT	WorkerTripNumber	30.00	15.00
tbTripsAndVMT	WorkerTripNumber	28.00	20.00
tbTripsAndVMT	WorkerTripNumber	788.00	200.00
tbTripsAndVMT	WorkerTripNumber	158.00	5.00
tbVehicleTrips	DV_TP	11.00	0.00
tbVehicleTrips	DV_TP	37.00	0.00
tbVehicleTrips	DV_TP	20.00	0.00
tbVehicleTrips	DV_TP	40.00	0.00
tbVehicleTrips	HO_TTP	40.60	41.00
tbVehicleTrips	HS_TTP	19.20	19.00
tbVehicleTrips	HW_TTP	40.20	40.00
tbVehicleTrips	PB_TP	3.00	0.00
tbVehicleTrips	PB_TP	12.00	0.00
tbVehicleTrips	PB_TP	43.00	0.00
tbVehicleTrips	PB_TP	15.00	0.00
tbVehicleTrips	PR_TP	86.00	100.00
tbVehicleTrips	PR_TP	51.00	100.00
tbVehicleTrips	PR_TP	37.00	100.00

tbVehicleTrips	PR_TR	45.00	100.00
tbVehicleTrips	ST_TR	4.98	2.84
tbVehicleTrips	ST_TR	696.00	100.54
tbVehicleTrips	ST_TR	158.37	57.44
tbVehicleTrips	ST_TR	42.04	12.00
tbVehicleTrips	SU_TR	3.65	2.84
tbVehicleTrips	SU_TR	500.00	100.54
tbVehicleTrips	SU_TR	131.84	57.44
tbVehicleTrips	SU_TR	20.43	12.00
tbVehicleTrips	WD_TR	4.20	2.84
tbVehicleTrips	WD_TR	716.00	100.54
tbVehicleTrips	WD_TR	127.15	57.44
tbVehicleTrips	WD_TR	44.32	12.00
tbWoodsStoves	NumberCatalytic	32.00	0.00
tbWoodsStoves	NumberNoncatalytic	32.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5317	6.2336	4.4116	0.0168	0.8130	0.1653	0.9783	0.2489	0.1573	0.4062	0.0000	1,565,2907	1,565,2907	0.1780	0.0000	1,569,7404
2023	0.4728	3.3563	4.2175	9.4100e-003	0.3013	0.1438	0.4450	0.0804	0.1384	0.2188	0.0000	820,9193	820,9193	0.0986	0.0000	823,3839
2024	0.4487	3.1778	4.1679	9.3900e-003	0.3036	0.1281	0.4317	0.0810	0.1232	0.2042	0.0000	819,5334	819,5334	0.0978	0.0000	821,9772
2025	2.8055	3.5227	4.5803	0.0110	0.3359	0.1237	0.4596	0.0902	0.1193	0.2095	0.0000	969,6484	969,6484	0.1044	0.0000	972,2571

2026	0.0251	0.0278	0.0355	9.0000e-005	2.6200e-003	9.6000e-004	3.5900e-003	7.1000e-004	9.3000e-004	1.6400e-003	0.0000	7.6076	7.6076	8.1000e-004	0.0000	7.6278
Maximum	2.8055	6.2336	4.5803	0.0168	0.8130	0.1653	0.9783	0.2489	0.1573	0.4062	0.0000	1,565,2907	1,565,2907	0.1780	0.0000	1,569,7404

Mitigated Construction

	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5317	6.2336	4.4116	0.0168	0.4030	0.1653	0.5683	0.1235	0.1573	0.2807	0.0000	1,565,2901	1,565,2901	0.1780	0.0000	1,569,7398
2023	0.4728	3.3563	4.2175	9.4100e-003	0.1824	0.1438	0.3261	0.0512	0.1384	0.1897	0.0000	820.9187	820.9187	0.0986	0.0000	823,3832
2024	0.4487	3.1778	4.1679	9.3900e-003	0.1838	0.1281	0.3118	0.0516	0.1232	0.1748	0.0000	819.5328	819.5328	0.0978	0.0000	821,9765
2025	2.8055	3.5227	4.5803	0.0110	0.2052	0.1237	0.3289	0.0581	0.1193	0.1775	0.0000	969.6477	969.6477	0.1044	0.0000	972,2564
2026	0.0251	0.0278	0.0355	9.0000e-005	1.6100e-003	9.6000e-004	2.5700e-003	4.6000e-004	9.3000e-004	1.3900e-003	0.0000	7.6076	7.6076	8.1000e-004	0.0000	7.6278
Maximum	2.8055	6.2336	4.5803	0.0168	0.4030	0.1653	0.5683	0.1235	0.1573	0.2807	0.0000	1,565,2901	1,565,2901	0.1780	0.0000	1,569,7398
	ROG	NOX	CO	SO2	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	44.44	0.00	33.67	43.17	0.00	20.80	0.00	0.00	0.00	0.00	0.00	0.00
Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)								Maximum Mitigated ROG + NOX (tons/quarter)					
1	1-3-2022	4-2-2022	2.0794								2.0794					
2	4-3-2022	7-2-2022	2.4937								2.4937					
3	7-3-2022	10-2-2022	1.0520								1.0520					
4	10-3-2022	1-2-2023	1.0549								1.0549					
5	1-3-2023	4-2-2023	0.9482								0.9482					
6	4-3-2023	7-2-2023	0.9544								0.9544					
7	7-3-2023	10-2-2023	0.9650								0.9650					

8	10-3-2023	1-2-2024	0.9681	0.9681
9	1-3-2024	4-2-2024	0.9012	0.9012
10	4-3-2024	7-2-2024	0.8970	0.8970
11	7-3-2024	10-2-2024	0.9070	0.9070
12	10-3-2024	1-2-2025	0.9099	0.9099
13	1-3-2025	4-2-2025	1.1534	1.1534
14	4-3-2025	7-2-2025	1.7168	1.7168
15	7-3-2025	10-2-2025	1.7357	1.7357
16	10-3-2025	1-2-2026	1.7395	1.7395
		Highest	2.4937	2.4937

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOK	CO	SO2	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	3.0637	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904
Energy	0.0401	0.3469	0.1788	2.1900e-003		0.0277	0.0277		0.0277	0.0277	0.0000	4.519.9312	4.519.9312	0.1050	0.0274	4.530.7266
Mobile	0.5954	2.9006	8.3409	0.0354	3.2903	0.0265	3.3168	0.8817	0.0246	0.9063	0.0000	3.277.2812	3.277.2812	0.1473	0.0000	3.280.9634
Waste						0.0000	0.0000		0.0000	0.0000	76.7306	0.0000	76.7306	4.5347	0.0000	190.0968
Water						0.0000	0.0000		0.0000	0.0000	13.9948	484.9258	498.9206	1.4489	0.0363	545.9621
Total	3.6991	3.3237	15.1382	0.0379	3.2903	0.0908	3.3811	0.8817	0.0890	0.9707	90.7254	8,292.9673	8,383.6927	6.2462	0.0637	8,558.8393

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	3.0637	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904
Energy	0.0401	0.3469	0.1788	2.1900e-003		0.0277	0.0277		0.0277	0.0277	0.0000	4,519.9312	4,519.9312	0.1050	0.0274	4,530.7266
Mobile	0.5954	2.9006	8.3409	0.0354	3.2903	0.0265	3.3168	0.8817	0.0246	0.9063	0.0000	3,277.2812	3,277.2812	0.1473	0.0000	3,280.9634
Waste						0.0000	0.0000		0.0000	0.0000	76.7306	0.0000	76.7306	4.5347	0.0000	190.0968
Water						0.0000	0.0000		0.0000	0.0000	13.9948	484.9258	498.9206	1.4489	0.0363	545.9621
Total	3.6991	3.3237	15.1382	0.0379	3.2903	0.0908	3.3811	0.8817	0.0890	0.9707	90.7254	8,292.9673	8,383.6927	6.2462	0.0637	8,558.8393

	ROG	NOK	CO	SO2	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	1/3/2022	1/31/2022	5	21	
2	Site Preparation	Site Preparation	2/1/2022	2/28/2022	5	20	
3	Grading	Grading	3/1/2022	5/31/2022	5	66	
4	Building Construction	Building Construction	6/1/2022	1/2/2026	5	938	
5	Architectural Coating	Architectural Coating	3/1/2025	1/2/2026	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.33

Acres of Paving: 1

Residential Indoor: 1,420,163; Residential Outdoor: 473,388; Non-Residential Indoor: 18,207; Non-Residential Outdoor: 6,069; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	3	8.00	16	0.38
Demolition	Dumpers/Tenders	0		16	0.38
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.37
Demolition	Tractor/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Bore/Drill Rigs	1	6.00	221	0.50
Site Preparation	Bore/Drill Rigs			221	0.50
Site Preparation	Cement and Mortar Mixers	1	6.00	9	0.56
Site Preparation	Cement and Mortar Mixers			9	0.56
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractor/Loaders/Backhoes	1	7.00	97	0.37
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Cement and Mortar Mixers	1	6.00	9	0.56
Grading	Concrete/Industrial Saws	1	4.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	6.00	203	0.36
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractor/Loaders/Backhoes	1	7.00	97	0.37
Grading	Welders	1	6.00	46	0.46
Building Construction	Aerial Lifts	2	6.00	63	0.31
Building Construction	Aerial Lifts			63	0.31
Building Construction	Air Compressors	2	6.00	78	0.48

Category	tons/yr										MT/yr					
Fugitive Dust					0.2140	0.0000	0.2140	0.0324	0.0000	0.0324	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0312	0.2885	0.2779	5.2000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	44.9736	44.9736	0.0111	0.0000	45.2520
Total	0.0312	0.2885	0.2779	5.2000e-004	0.2140	0.0138	0.2278	0.0324	0.0130	0.0454	0.0000	44.9736	44.9736	0.0111	0.0000	45.2520

Unmitigated Construction Off-Site

Category	ROG	NOK	CO	SO2	Fugitive 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	0.0111	0.3372	0.0883	1.0800e-003	0.0255	1.0500e-003	0.0265	7.0000e-003	1.0100e-003	8.0000e-003	0.0000	106.9304	106.9304	7.0300e-003	0.0000	107.1062
Vendor	1.2000e-004	3.9400e-003	1.0600e-003	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	8.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0262	1.0262	6.0000e-005	0.0000	1.0277
Worker	6.4000e-004	4.8000e-004	5.4900e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.5028	1.5028	4.0000e-005	0.0000	1.5038
Total	0.0119	0.3416	0.0948	1.1100e-003	0.0275	1.0700e-003	0.0286	7.5400e-003	1.0300e-003	8.5500e-003	0.0000	109.4594	109.4594	7.1300e-003	0.0000	109.6377

Mitigated Construction On-Site

Category	ROG	NOK	CO	SO2	Fugitive 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					0.0793	0.0000	0.0793	0.0120	0.0000	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0312	0.2885	0.2779	5.2000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	44.9736	44.9736	0.0111	0.0000	45.2519

Total	0.0312	0.2885	0.2779	5.2000e-004	0.0793	0.0138	0.0931	0.0120	0.0130	0.0250	0.0000	44.9736	44.9736	0.0111	0.0000	45.2519
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Mitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0111	0.3372	0.0883	1.0800e-003	0.0167	1.0500e-003	0.0177	4.8300e-003	1.0100e-003	5.8400e-003	0.0000	106.9304	106.9304	7.0300e-003	0.0000	107.1062
Vendor	1.2000e-004	3.9400e-003	1.0600e-003	1.0000e-005	1.8000e-004	1.0000e-005	1.9000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	1.0262	1.0262	6.0000e-005	0.0000	1.0277
Worker	6.4000e-004	4.8000e-004	5.4900e-003	2.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.5028	1.5028	4.0000e-005	0.0000	1.5038
Total	0.0119	0.3416	0.0948	1.1100e-003	0.0179	1.0700e-003	0.0190	5.1800e-003	1.0300e-003	6.2000e-003	0.0000	109.4594	109.4594	7.1300e-003	0.0000	109.6377

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr											MT/yr				
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
OffRoad	0.0179	0.1942	0.1507	3.7000e-004		7.4600e-003	7.4600e-003		6.8800e-003	6.8800e-003	0.0000	32.6426	32.6426	0.0105	0.0000	32.9046
Total	0.0179	0.1942	0.1507	3.7000e-004	0.0000	7.4600e-003	7.4600e-003	0.0000	6.8800e-003	6.8800e-003	0.0000	32.6426	32.6426	0.0105	0.0000	32.9046

Unmitigated Construction Off-Site

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	0.0000	0.0000	0.0000
Vendor	1.2000e-004	3.7500e-003	1.0100e-003	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.9773	0.9773	6.0000e-005	0.0000	0.9788			
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322			
Total	7.3000e-004	4.2000e-003	6.2400e-003	3.0000e-005	1.1600e-003	2.0000e-005	1.1800e-003	3.3000e-004	2.0000e-005	3.5000e-004	0.0000	2.4086	2.4086	1.0000e-004	0.0000	2.4110			

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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					0.2077	0.0000	0.2077	0.1105	0.0000	0.1105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0912	0.8965	0.7004	1.5700e-003		0.0393	0.0393		0.0365	0.0365	0.0000	136.0883	136.0883	0.0404	0.0000	137.0990
Total	0.0912	0.8965	0.7004	1.5700e-003	0.2077	0.0393	0.2470	0.1105	0.0365	0.1470	0.0000	136.0883	136.0883	0.0404	0.0000	137.0990

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0770	2.3355	0.6114	7.5100e-003	0.1765	7.2800e-003	0.1838	0.0485	6.9700e-003	0.0554	0.0000	740.6200	740.6200	0.0487	0.0000	741.8373
Vendor	3.8000e-004	0.0124	3.3400e-003	3.0000e-005	8.3000e-004	2.0000e-005	8.5000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	3.2252	3.2252	1.9000e-004	0.0000	3.2300
Worker	2.6600e-003	2.0000e-003	0.0230	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.2974	6.2974	1.7000e-004	0.0000	6.3018
Total	0.0800	2.3499	0.6378	7.6100e-003	0.1846	7.3600e-003	0.1920	0.0506	7.0400e-003	0.0577	0.0000	750.1426	750.1426	0.0491	0.0000	751.3691

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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					0.0770	0.0000	0.0770	0.0410	0.0000	0.0410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
OffRoad	0.0912	0.8965	0.7004	1.5700e-003		0.0393	0.0393		0.0365	0.0365	0.0000	136.0881	136.0881	0.0404	0.0000	137.0989
Total	0.0912	0.8965	0.7004	1.5700e-003	0.0770	0.0393	0.1162	0.0410	0.0365	0.0774	0.0000	136.0881	136.0881	0.0404	0.0000	137.0989

Mitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0770	2.3355	0.6114	7.5100e-003	0.1155	7.2800e-003	0.1227	0.0335	6.9700e-003	0.0405	0.0000	740.6200	740.6200	0.0487	0.0000	741.8373
Vendor	3.8000e-004	0.0124	3.3400e-003	3.0000e-005	5.6000e-004	2.0000e-005	5.8000e-004	1.7000e-004	2.0000e-005	2.0000e-004	0.0000	3.2252	3.2252	1.9000e-004	0.0000	3.2300
Worker	2.6600e-003	2.0000e-003	0.0230	7.0000e-005	4.3500e-003	6.0000e-005	4.4100e-003	1.2100e-003	5.0000e-005	1.2700e-003	0.0000	6.2974	6.2974	1.7000e-004	0.0000	6.3018
Total	0.0800	2.3499	0.6378	7.6100e-003	0.1204	7.3600e-003	0.1277	0.0349	7.0400e-003	0.0419	0.0000	750.1426	750.1426	0.0491	0.0000	751.3691

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
OffRoad	0.2325	1.9689	1.9720	3.6100e-003		0.0947	0.0947		0.0913	0.0913	0.0000	306.2072	306.2072	0.0534	0.0000	307.5423
Total	0.2325	1.9689	1.9720	3.6100e-003		0.0947	0.0947		0.0913	0.0913	0.0000	306.2072	306.2072	0.0534	0.0000	307.5423

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	4.4600e-003	0.1435	0.0387	3.9000e-004	9.6400e-003	2.7000e-004	9.9100e-003	2.7800e-003	2.6000e-004	3.0400e-003	0.0000	37.3827	37.3827	2.2300e-003	0.0000	37.4385
Worker	0.0617	0.0463	0.3331	1.6100e-003	0.1677	1.3400e-003	0.1690	0.0445	1.2300e-003	0.0458	0.0000	145.9857	145.9857	4.0200e-003	0.0000	146.0862
Total	0.0662	0.1898	0.5718	2.0000e-003	0.1773	1.6100e-003	0.1789	0.0473	1.4900e-003	0.0488	0.0000	183.3684	183.3684	6.2500e-003	0.0000	183.5247

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
OffRoad	0.2325	1.9689	1.9720	3.6100e-003		0.0947	0.0947		0.0913	0.0913	0.0000	306.2069	306.2069	0.0534	0.0000	307.5419

Total	0.2325	1.9689	1.9720	3.6100e-003		0.0947	0.0947		0.0913	0.0913	0.0000	306.2069	306.2069	0.0534	0.0000	307.5419
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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
	tons/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	4.4600e-003	0.1435	0.0387	3.9000e-004	6.5000e-003	2.7000e-004	6.7700e-003	2.0100e-003	2.6000e-004	2.2700e-003	0.0000	37.3827	37.3827	2.2300e-003	0.0000	37.4385
Worker	0.0617	0.0463	0.5331	1.6100e-003	0.1008	1.3400e-003	0.1022	0.0281	1.2300e-003	0.0294	0.0000	145.9857	145.9857	4.0200e-003	0.0000	146.0862
Total	0.0662	0.1898	0.5718	2.0000e-003	0.1073	1.6100e-003	0.1089	0.0301	1.4900e-003	0.0316	0.0000	183.3684	183.3684	6.2500e-003	0.0000	183.5247

3.5 Building Construction - 2023

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
	tons/yr															
Off-Road	0.3685	3.1009	3.3254	6.1300e-003		0.1413	0.1413		0.1362	0.1362	0.0000	520.3796	520.3796	0.0891	0.0000	522.6065
Total	0.3685	3.1009	3.3254	6.1300e-003		0.1413	0.1413		0.1362	0.1362	0.0000	520.3796	520.3796	0.0891	0.0000	522.6065

Unmitigated Construction Off-Site

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	0.0000
Vendor	5.6300e-003	0.1842	0.0591	6.3000e-004	0.0111	2.1000e-004	0.0113	3.4200e-003	2.1000e-004	3.6200e-003	0.0000	61.5374	61.5374	3.3500e-003	0.0000	61.6213	
Worker	0.0986	0.0712	0.8331	2.6400e-003	0.1713	2.2100e-003	0.1735	0.0478	2.0400e-003	0.0498	0.0000	239.0023	239.0023	6.1500e-003	0.0000	239.1561	
Total	0.1043	0.2553	0.8921	3.2700e-003	0.1824	2.4200e-003	0.1848	0.0512	2.2500e-003	0.0534	0.0000	300.5397	300.5397	9.5000e-003	0.0000	300.7774	

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	0.3490	2.9275	3.3285	6.1800e-003		0.1257	0.1257		0.1210	0.1210	0.0000	524.3964	524.3964	0.0887	0.0000	526.6149
Total	0.3490	2.9275	3.3285	6.1800e-003		0.1257	0.1257		0.1210	0.1210	0.0000	524.3964	524.3964	0.0887	0.0000	526.6149

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	5.5300e-003	0.1849	0.0577	6.4000e-004	0.0165	2.1000e-004	0.0167	4.7600e-003	2.0000e-004	4.9700e-003	0.0000	61.7638	61.7638	3.3300e-003	0.0000	61.8470
Worker	0.0942	0.0654	0.7817	2.5800e-003	0.2871	2.2000e-003	0.2893	0.0763	2.0200e-003	0.0783	0.0000	233.3732	233.3732	5.6800e-003	0.0000	233.5153
Total	0.0997	0.2503	0.8394	3.2200e-003	0.3036	2.4100e-003	0.3060	0.0810	2.2200e-003	0.0832	0.0000	295.1370	295.1370	9.0100e-003	0.0000	295.3623

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.3490	2.9275	3.3285	6.1800e-003		0.1257	0.1257		0.1210	0.1210	0.0000	524.3958	524.3958	0.0867	0.0000	526.6143
Total	0.3490	2.9275	3.3285	6.1800e-003		0.1257	0.1257		0.1210	0.1210	0.0000	524.3958	524.3958	0.0867	0.0000	526.6143

Mitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	5.5300e-003	0.1849	0.0577	6.4000e-004	0.0111	2.1000e-004	0.0114	3.4400e-003	2.0000e-004	3.6500e-003	0.0000	61.7638	61.7638	3.3300e-003	0.0000	61.8470
Worker	0.0942	0.0654	0.7817	2.5800e-003	0.1726	2.2000e-003	0.1748	0.0482	2.0200e-003	0.0502	0.0000	233.3732	233.3732	5.6800e-003	0.0000	233.5153
Total	0.0997	0.2503	0.8394	3.2200e-003	0.1838	2.4100e-003	0.1862	0.0516	2.2200e-003	0.0538	0.0000	295.1370	295.1370	9.0100e-003	0.0000	295.3623

3.5 Building Construction - 2025

Unmitigated Construction On-Site

Total	0.3271	2.7245	3.2986	6.1500e-003		0.1097	0.1097		0.1056	0.1056	0.0000	522.4246	522.4246	0.0873	0.0000	524.6075
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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
	tons/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	5.3700e-003	0.1826	0.0560	6.3000e-004	0.0111	2.1000e-004	0.0113	3.4300e-003	2.0000e-004	3.6300e-003	0.0000	61.1928	61.1928	3.2700e-003	0.0000	61.2745
Worker	0.0892	0.0596	0.7228	2.4700e-003	0.1720	2.1400e-003	0.1741	0.0480	1.9700e-003	0.0499	0.0000	223.4805	223.4805	5.1600e-003	0.0000	223.6095
Total	0.0946	0.2422	0.7787	3.1000e-003	0.1831	2.3500e-003	0.1854	0.0514	2.1700e-003	0.0536	0.0000	284.6733	284.6733	8.4300e-003	0.0000	284.8840

3.5 Building Construction - 2026

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
	tons/yr															
OffRoad	2.5100e-003	0.0209	0.0253	5.0000e-005		8.4000e-004	8.4000e-004		8.1000e-004	8.1000e-004	0.0000	4.0033	4.0033	6.7000e-004	0.0000	4.0200
Total	2.5100e-003	0.0209	0.0253	5.0000e-005		8.4000e-004	8.4000e-004		8.1000e-004	8.1000e-004	0.0000	4.0033	4.0033	6.7000e-004	0.0000	4.0200
	MT/yr															

Unmitigated Construction Off-Site

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	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.3900e-003	4.2000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4664	0.4664	2.0000e-005	0.0000	0.4671			
Worker	6.5000e-004	4.2000e-004	5.1800e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.6530	1.6530	4.0000e-005	0.0000	1.6539			
Total	6.9000e-004	1.8100e-003	5.6000e-003	2.0000e-005	1.4000e-003	2.0000e-005	1.4200e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	2.1195	2.1195	6.0000e-005	0.0000	2.1210			

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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	2.3358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0373	0.2497	0.3944	6.5000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	55.6609	55.6609	3.0400e-003	0.0000	55.7368
Total	2.3731	0.2497	0.3944	6.5000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	55.6609	55.6609	3.0400e-003	0.0000	55.7368

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	8.9700e-003	0.3051	0.0935	1.0500e-003	0.0275	3.5000e-004	0.0278	7.9300e-003	3.3000e-004	8.2600e-003	0.0000	102.2224	102.2224	5.4600e-003	0.0000	102.3589
Worker	1.8600e-003	1.2400e-003	0.0151	5.0000e-005	5.9700e-003	4.0000e-005	6.0200e-003	1.5900e-003	4.0000e-005	1.6300e-003	0.0000	4.6666	4.6666	1.1000e-004	0.0000	4.6692
Total	0.0108	0.3063	0.1086	1.1000e-003	0.0334	3.9000e-004	0.0338	9.5200e-003	3.7000e-004	9.8900e-003	0.0000	106.8889	106.8889	5.5700e-003	0.0000	107.0281

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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	2.3358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
OffRoad	0.0373	0.2497	0.3944	6.5000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	55.6609	55.6609	3.0400e-003	0.0000	55.7368
Total	2.3731	0.2497	0.3944	6.5000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	55.6609	55.6609	3.0400e-003	0.0000	55.7368

Mitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	8.9700e-003	0.3051	0.0935	1.0500e-003	0.0185	3.5000e-004	0.0189	5.7300e-003	3.3000e-004	6.0700e-003	0.0000	102.2224	102.2224	5.4600e-003	0.0000	102.3589
Worker	1.8600e-003	1.2400e-003	0.0151	5.0000e-005	3.5900e-003	4.0000e-005	3.6400e-003	1.0000e-003	4.0000e-005	1.0400e-003	0.0000	4.6666	4.6666	1.1000e-004	0.0000	4.6692
Total	0.0108	0.3063	0.1086	1.1000e-003	0.0221	3.9000e-004	0.0225	6.7300e-003	3.7000e-004	7.1100e-003	0.0000	106.8889	106.8889	5.5700e-003	0.0000	107.0281

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0214					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Off-Road	3.4000e-004	2.2900e-003	3.6200e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5114
Total	0.0218	2.2900e-003	3.6200e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5114

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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
Vendor	8.0000e-005	2.7700e-003	8.4000e-004	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	8.0000e-005	0.0000	0.9329	0.9329	5.0000e-005	0.0000	0.9341
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0413	0.0413	0.0000	0.0000	0.0414
Total	1.0000e-004	2.7800e-003	9.7000e-004	1.0000e-005	3.0000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.9742	0.9742	5.0000e-005	0.0000	0.9755

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0214					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Off-Road	3.4000e-004	2.2900e-003	3.6200e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5114

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Apartments High Rise	1,817.60	1,817.60	1817.60	6,991,856		6,991,856	
Enclosed Parking with Elevator	0.00	0.00	0.00				
Strip Mall	66.48	66.48	66.48	229,312		229,312	
Fast Food Restaurant w/o Drive Thru	201.08	201.08	201.08	602,965		602,965	
High Turnover (Sit Down Restaurant)	264.22	264.22	264.22	847,516		847,516	
Total	2,349.38	2,349.38	2,349.38	8,671,650		8,671,650	

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	40.00	19.00	41.00	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCV	SBUS	MH
Apartments High Rise	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Enclosed Parking with Elevator	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Fast Food Restaurant w/o Drive Thru	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
High Turnover (Sit Down Restaurant)	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Strip Mall	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834

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	tons/yr										MT/yr					
Electricity Mitigated					0.0000	0.0000		0.0000	0.0000	0.0000	4,123.3880	4,123.3880	0.0974	0.0202	4,131.8269	
Electricity					0.0000	0.0000		0.0000	0.0000	0.0000	4,123.3880	4,123.3880	0.0974	0.0202	4,131.8269	
Unmitigated Natural Gas Mitigated	0.0401	0.3469	0.1788	2.1900e-003	0.0277	0.0277		0.0277	0.0277	0.0000	396.5433	396.5433	7.6000e-003	7.2700e-003	398.8997	
Natural Gas Unmitigated	0.0401	0.3469	0.1788	2.1900e-003	0.0277	0.0277		0.0277	0.0277	0.0000	396.5433	396.5433	7.6000e-003	7.2700e-003	398.8997	

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					
Apartment High Rise	5.89884e+006	0.0318	0.2718	0.1157	1.7300e-003		0.0220	0.0220		0.0220	0.0220	0.0000	314.7847	314.7847	6.0300e-003	5.7700e-003	316.6553
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
Fast Food	461520	2.4900e-003	0.0226	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6285	24.6285	4.7000e-004	4.5000e-004	24.7748
Restaurant w/o High Turnover (Sit Down Restaurant)	1.0615e+006	5.7200e-003	0.0520	0.0437	3.1000e-004		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	56.6455	56.6455	1.0900e-003	1.0400e-003	56.9621
Strip Mail	9082.32	5.0000e-005	4.5000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4847	0.4847	1.0000e-005	1.0000e-005	0.4876
Total		0.0401	0.3469	0.1787	2.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	396.5433	396.5433	7.6000e-003	7.2700e-003	398.8997

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	5.89884e+06	0.0318	0.2718	0.1157	1.7300e-003		0.0220	0.0220		0.0220	0.0220	0.0000	314.7847	314.7847	6.0300e-003	5.7700e-003	316.6553
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
Fast Food	461520	2.4900e-003	0.0226	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6285	24.6285	4.7000e-004	4.5000e-004	24.7748
Restaurant w/o High Turnover (Sit Down Restaurant)	1.0615e+006	5.7200e-003	0.0520	0.0437	3.1000e-004		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	56.6455	56.6455	1.0900e-003	1.0400e-003	56.9821
Strip Mall	9082.32	5.0000e-005	4.5000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4847	0.4847	1.0000e-005	1.0000e-005	0.4876
Total		0.0401	0.3469	0.1787	2.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	396.5433	396.5433	7.6000e-003	7.2700e-003	398.8997

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	22,534,45e+06	1,411.5918	0.0333	6.9000e-003	1,414.4808
Enclosed Parking with Elevator	4,502,82e+06	2,507.8998	0.0592	0.0123	2,513.0324
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	88280	49.1686	1.1600e-003	2.4000e-004	49.2692
Strip Mall	203044	113.0877	2.6700e-003	5.5000e-004	113.3191
	74763	41.6401	9.8000e-004	2.0000e-004	41.7253
Total		4,123.3880	0.0974	0.0201	4,131.8269

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	KWh/yr	MT/yr			
Apartments High Rise	2.53445e+06	1,411,5918	0.0333	6.9000e-003	1,414,4808
Enclosed Parking with Elevator	4.50282e+06	2,507,8998	0.0592	0.0123	2,513,0324
Fast Food	88280	49,1686	1.1600e-003	2.4000e-004	49,2692
Restaurant w/o High Turnover (Sit Down Restaurant)	203044	113,0877	2.6700e-003	5.5000e-004	113,3191
Strip Mall	74763	41,6401	9.8000e-004	2.0000e-004	41,7253
Total		4,123,3880	0.0974	0.0201	4,131,8269

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0637	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904
Unmitigated	3.0637	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904

6.2 Area by SubCategory

Unmitigated

	ROG	NOK	CO	SO2	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	0.2357					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Coating																
Consumer Products	2.6277					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	0.2002	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904
Total	3.0637	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904

Mitigated

	ROG	NOK	CO	SO2	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	0.2357					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Coating																
Consumer Products	2.6277					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	0.2002	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904
Total	3.0637	0.0762	6.6185	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	10.8291	10.8291	0.0105	0.0000	11.0904

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	498,9206	1.4489	0.0363	545.9621
Unmitigated	498,9206	1.4489	0.0363	545.9621

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	41.6986 / 26.2882	478.3027	1.3697	0.0344	522.7840
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food	0.607067 / 0.038749	4.8349	0.0199	4.9000e-004	5.4782
Restaurant w/o High Turnover (Sit Down Restaurant)	1.39626 / 0.0891227	11.1204	0.0458	1.1300e-003	12.5998
Strip Mall	0.410362 / 0.251512	4.6625	0.0135	3.4000e-004	5.1002
Total		498,9206	1.4489	0.0363	545.9621

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartment's High Rise	41.6986 / 26.2882	478.3027	1.3697	0.0344	522.7840
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food	0.607067 /	4.8349	0.0199	4.9000e-004	5.4782
Restaurant w/o High Turnover (Sit Down Restaurant)	0.038749 / 0.0891227	11.1204	0.0458	1.1300e-003	12.5998
Strip Mail	0.410362 / 0.251512	4.6625	0.0135	3.4000e-004	5.1002
Total		498.9206	1.4489	0.0363	545.9621

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	76.7306	4.5347	0.0000	190.0968
Unmitigated	76.7306	4.5347	0.0000	190.0968

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	294.4	59,7605	3.5318	0.0000	148.0542
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food	23.04	4.6769	0.2764	0.0000	11.5869
Restaurant w/o High Turnover (Sit Down Restaurant)	54.74	11.1117	0.6567	0.0000	27.5288
Strip Mail	5.82	1.1814	0.0698	0.0000	2.9269
Total		76.7306	4.5347	0.0000	190.0968

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	294.4	59,7605	3.5318	0.0000	148.0542
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food	23.04	4.6769	0.2764	0.0000	11.5869
Restaurant w/o High Turnover (Sit Down Restaurant)	54.74	11.1117	0.6567	0.0000	27.5288
Strip Mail	5.82	1.1814	0.0698	0.0000	2.9269
Total		76.7306	4.5347	0.0000	190.0968

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

3440 Wilshire Boulevard Future
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,921.00	Space	1.00	768,400.00	0
Fast Food Restaurant w/o Drive Thru	2.00	1000sqft	0.05	2,000.00	0
High Turnover (Sit Down Restaurant)	4.60	1000sqft	0.09	4,600.00	0
Apartments High Rise	640.00	Dwelling Unit	1.10	701,315.00	1830
Strip Mall	5.54	1000sqft	0.09	5,538.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2026

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
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1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Developer information
- Construction Phase - Consultant assumptions
- Off-road Equipment - Developer information
- Off-road Equipment - Developer information

Off-road Equipment - Developer information
Off-road Equipment - Developer information
Off-road Equipment - Developer information
Trips and VMT - Developer information
Demolition - Developer information
Grading - Developer information
Vehicle Trips - Fehr & Peers Traffic Impact Analysis Table 3-Trip Generation
Woodstoves - Developer information
Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	220.00	938.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	6.00	66.00
tblConstructionPhase	NumDays	3.00	20.00
tblFireplaces	NumberGas	544.00	0.00
tblFireplaces	NumberNoFireplaces	64.00	641.00
tblFireplaces	NumberWood	32.00	0.00
tblGrading	AcresOfGrading	33.00	2.33
tblGrading	AcresOfGrading	30.00	0.00
tblGrading	MaterialExported	0.00	137,000.00
tblLandUse	LandUseSquareFeet	640,000.00	701,315.00
tblLandUse	LandUseSquareFeet	5,540.00	5,538.00
tblLandUse	LotAcreage	17.29	1.00
tblLandUse	LotAcreage	0.11	0.09
tblLandUse	LotAcreage	10.32	1.10
tblLandUse	LotAcreage	0.13	0.09
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	OffRoadEquipmentInitialAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentInitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentInitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentInitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentInitAmount	3.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripNumber	17,125.00	13,700.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	196.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	30.00	15.00
tblTripsAndVMT	WorkerTripNumber	28.00	20.00
tblTripsAndVMT	WorkerTripNumber	788.00	200.00
tblTripsAndVMT	WorkerTripNumber	158.00	5.00
tblVehicleTrips	DV_Trip	11.00	0.00
tblVehicleTrips	DV_Trip	37.00	0.00
tblVehicleTrips	DV_Trip	20.00	0.00
tblVehicleTrips	DV_Trip	40.00	0.00
tblVehicleTrips	HO_Trip	40.60	41.00
tblVehicleTrips	HS_Trip	19.20	19.00
tblVehicleTrips	HW_Trip	40.20	40.00
tblVehicleTrips	PB_Trip	3.00	0.00
tblVehicleTrips	PB_Trip	12.00	0.00
tblVehicleTrips	PB_Trip	43.00	0.00
tblVehicleTrips	PB_Trip	15.00	0.00
tblVehicleTrips	PR_Trip	86.00	100.00
tblVehicleTrips	PR_Trip	51.00	100.00
tblVehicleTrips	PR_Trip	37.00	100.00

tbVehicleTrips	PR_TR	45.00	100.00
tbVehicleTrips	ST_TR	4.98	2.84
tbVehicleTrips	ST_TR	696.00	100.54
tbVehicleTrips	ST_TR	158.37	57.44
tbVehicleTrips	ST_TR	42.04	12.00
tbVehicleTrips	SU_TR	3.65	2.84
tbVehicleTrips	SU_TR	500.00	100.54
tbVehicleTrips	SU_TR	131.84	57.44
tbVehicleTrips	SU_TR	20.43	12.00
tbVehicleTrips	WD_TR	4.20	2.84
tbVehicleTrips	WD_TR	716.00	100.54
tbVehicleTrips	WD_TR	127.15	57.44
tbVehicleTrips	WD_TR	44.32	12.00
tbWoodstoves	NumberCatalytic	32.00	0.00
tbWoodstoves	NumberNoncatalytic	32.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOK	CO	SO2	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					
2022	5.2202	97.0507	40.9541	0.2766	23.0428	1.4191	24.4619	4.9082	1.3375	6.2284	0.0000	29,421.921	29,421.921	3.0120	0.0000	29,497.222
2023	3.7229	25.7810	32.2874	0.0720	2.3636	1.1059	3.4695	0.6297	1.0650	1.6947	0.0000	6,919.3875	6,919.3875	0.8359	0.0000	6,940.2859
2024	3.5080	24.2232	31.6711	0.0713	2.3636	0.9776	3.3412	0.6297	0.9407	1.5704	0.0000	6,855.6797	6,855.6797	0.8226	0.0000	6,876.2442
2025	25.1864	27.7575	35.7546	0.0864	2.6756	0.9656	3.6411	0.7183	0.9320	1.6503	0.0000	8,405.2333	8,405.2333	0.8975	0.0000	8,427.6706

2026	25.1502	27.6831	35.3644	0.0857	2.6756	0.9649	3.6405	0.7183	0.9314	1.6497	0.0000	6.331.2398	8.331.2398	0.8925	0.0000	8.353.5531
Maximum	25.1864	97.0507	40.9541	0.2766	23.0428	1.4191	24.4619	4.9052	1.3375	6.2284	0.0000	29.421.921	29.421.921	3.0120	0.0000	29.497.222
												9	9			1

Mitigated Construction

	ROG	NOK	CO	SO2	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					
2022	5.2202	97.0507	40.9541	0.2766	9.2789	1.4191	10.6980	2.3106	1.3375	3.6309	0.0000	29.421.921	29.421.921	3.0120	0.0000	29.497.222
								9		9						1
2023	3.7229	25.7810	32.2874	0.0720	1.4276	1.1059	2.5335	0.4000	1.0650	1.4650	0.0000	6.919.3875	6.919.3875	0.8359	0.0000	6.940.2859
2024	3.5080	24.2232	31.6711	0.0713	1.4276	0.9776	2.4052	0.4000	0.9407	1.3407	0.0000	6.855.6797	6.855.6797	0.8226	0.0000	6.876.2442
2025	25.1864	27.7575	35.7546	0.0864	1.6333	0.9656	2.5989	0.4625	0.9320	1.3945	0.0000	8.405.2333	8.405.2333	0.8975	0.0000	8.427.6706
2026	25.1502	27.6831	35.3644	0.0857	1.6333	0.9649	2.5982	0.4625	0.9314	1.3938	0.0000	8.331.2398	8.331.2398	0.8925	0.0000	8.353.5531
Maximum	25.1864	97.0507	40.9541	0.2766	9.2789	1.4191	10.6980	2.3106	1.3375	3.6309	0.0000	29.421.921	29.421.921	3.0120	0.0000	29.497.222
												9	9			1

	ROG	NOK	CO	SO2	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	53.50	0.00	45.96	46.93	0.00	27.89	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOK	CO	SO2	Fugitive 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					

4	Building Construction	Building Construction	6/1/2022	1/2/2026	5	938
5	Architectural Coating	Architectural Coating	3/1/2025	1/2/2026	5	220

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.33

Acres of Paving: 1

Residential Indoor: 1,420,163; Residential Outdoor: 473,388; Non-Residential Indoor: 18,207; Non-Residential Outdoor: 6,069; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	3	8.00	16	0.38
Demolition	Dumpers/Tenders	0		16	0.38
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Bore/Drill Rigs	1	6.00	221	0.50
Site Preparation	Bore/Drill Rigs			221	0.50
Site Preparation	Cement and Mortar Mixers	1	6.00	9	0.56
Site Preparation	Cement and Mortar Mixers			9	0.56
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Cement and Mortar Mixers	1	6.00	9	0.56
Grading	Concrete/Industrial Saws	1	4.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	6.00	203	0.36
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Welders	1	6.00	46	0.45
Building Construction	Aerial Lifts	2	6.00	63	0.31
Building Construction	Aerial Lifts			63	0.31
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Air Compressors			78	0.48
Building Construction	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	6.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	15.00	4.00	1,978.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	20.00	4.00	13,700.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	200.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	5.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 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					
Fugitive Dust					20.3800	0.0000	20.3800	3.0857	0.0000	3.0857			0.0000			0.0000
OffRoad	2.9713	27.4795	26.4616	0.0494		1.3163	1.3163		1.2392	1.2392	4,721.4213	4,721.4213	4,721.4213	1.1688		4,750.6412
Total	2.9713	27.4795	26.4616	0.0494	20.3800	1.3163	21.6963	3.0857	1.2392	4.3249		4,721.4213	4,721.4213	1.1688		4,750.6412

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	1.0688	31.5173	8.5964	0.1026	2.4696	0.1007	2.5703	0.6769	0.0964	0.7733	11,145.9096	11,145.9096	11,145.9096	0.7483		11,164.6177
Vendor	0.0120	0.3683	0.1063	9.9000e-004	0.0256	7.2000e-004	0.0263	7.3700e-003	6.9000e-004	8.0600e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	1.1480	31.9298	9.2115	0.1051	2.6628	0.1028	2.7656	0.7287	0.0963	0.8270		11,407.0831	11,407.0831	0.7593		11,426.0646

Mitigated Construction On-Site

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000			0.0000
Off-Road	1.7929	19.4202	15.0731	0.0373		0.7464	0.7464			0.6875	0.6875		3,598.2301	3,598.2301	1.1554		3,627.1156
Total	1.7929	19.4202	15.0731	0.0373	0.0000	0.7464	0.7464	0.0000	0.0000	0.6875	0.6875		3,598.2301	3,598.2301	1.1554		3,627.1156

Unmitigated Construction Off-Site

Category	ROG	NOK	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	0.0120	0.3683	0.1063	9.9000e-004	0.0256	7.2000e-004	0.0263	7.3700e-003	6.9000e-004	8.0600e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0792	0.4125	0.6151	2.5500e-003	0.1933	2.0300e-003	0.1953	0.0518	1.9000e-003	0.0537		261.1735	261.1735	0.0109		261.4469

Mitigated Construction On-Site

Category	ROG	NOK	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7929	19.4202	15.0731	0.0373		0.7464	0.7464		0.6875	0.6875	0.0000	3,598.2301	3,598.2301	1.1554		3,627.1156
Total	1.7929	19.4202	15.0731	0.0373	0.0000	0.7464	0.7464	0.0000	0.6875	0.6875	0.0000	3,598.2301	3,598.2301	1.1554		3,627.1156

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	0.0120	0.3683	0.1063	9.9000e-004	0.0172	7.2000e-004	0.0179	5.3100e-003	6.9000e-004	6.0000e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1006	1.3100e-003	0.1019	0.0280	1.2100e-003	0.0292		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0792	0.4125	0.6151	2.5500e-003	0.1178	2.0300e-003	0.1199	0.0333	1.9000e-003	0.0352		261.1735	261.1735	0.0109		261.4469

3.4 Grading - 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					
Fugitive Dust					6.2943	0.0000	6.2943	3.3498	0.0000	3.3498			0.0000			0.0000
Off-Road	2.7632	27.1660	21.2248	0.0475		1.1900	1.1900		1.1055	1.1055		4,545.8079	4,545.8079	1.3505		4,579.5705
Total	2.7632	27.1660	21.2248	0.0475	6.2943	1.1900	7.4843	3.3498	1.1055	4.4554		4,545.8079	4,545.8079	1.3505		4,579.5705

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
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Total	2.4570	69.8847	19.7293	0.2291	3.7001	0.2245	3.9246	1.0695	0.2147	1.2842		24,876.139	24,876.139	1.6615		24,917.6516
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3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	3.0396	25.7368	25.7776	0.0472		1.2378	1.2378		1.1936	1.1936		4,412.2312	4,412.2312	0.7695		4,431.4682
Total	3.0396	25.7368	25.7776	0.0472		1.2378	1.2378		1.1936	1.1936		4,412.2312	4,412.2312	0.7695		4,431.4682

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0599	1.8416	0.5315	4.9600e-003	0.1281	3.5800e-003	0.1316	0.0369	3.4300e-003	0.0403		529.9406	529.9406	0.0333		530.7732
Worker	0.8957	0.5891	6.7835	0.0208	2.2355	0.0175	2.2530	0.5929	0.0161	0.6090		2,069.1389	2,069.1389	0.0570		2,070.5633
Total	0.9556	2.4307	7.3151	0.0257	2.3636	0.0211	2.3847	0.6297	0.0196	0.6493		2,599.0795	2,599.0795	0.0903		2,601.3364

Mitigated Construction On-Site

Off-Road	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872	1.0477	1.0477	4.412.4637	4.412.4637	0.7553	4.431.3466
Total	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872	1.0477	1.0477	4.412.4637	4.412.4637	0.7553	4.431.3466

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0445	1.3948	0.4723	4.7900e-003	0.1281	1.7000e-003	0.1298	0.0369	1.6300e-003	0.0385		513.4826	513.4826	0.0293		514.2156
Worker	0.8438	0.5328	6.2353	0.0200	2.2355	0.0170	2.2525	0.5929	0.0157	0.6085		1,993.4412	1,993.4412	0.0513		1,994.7237
Total	0.8883	1.9276	6.7077	0.0248	2.3636	0.0187	2.3823	0.6297	0.0173	0.6470		2,506.9238	2,506.9238	0.0806		2,508.9393

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872	1.0872	1.0477	1.0477	2.0954	0.0000	4.412.4637	4.412.4637	0.7553		4.431.3466
Total	2.8346	23.8534	25.5798	0.0472	1.0872	1.0872	1.0872	1.0477	1.0477	2.0954	0.0000	4.412.4637	4.412.4637	0.7553		4.431.3466

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
Vendor	0.0434	1.3898	0.4580	4.7700e-003	0.1281	1.6700e-003	0.1297	0.0369	1.6000e-003	0.0385	511.4911	511.4911	0.0289		512.2130
Worker	0.8007	0.4858	5.8049	0.0194	2.2355	0.0168	2.2523	0.5929	0.0154	0.6083	1,931.6076	1,931.6076	0.0470		1,932.7627
Total	0.8441	1.8755	6.2629	0.0241	2.3636	0.0184	2.3820	0.6297	0.0170	0.6468	2,443.0987	2,443.0987	0.0759		2,444.9957

Mitigated 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	lb/day															
OffRoad	2.6639	22.3477	25.4083	0.0472		0.9692	0.9692		0.9237	0.9237	0.0000	4,412.5810	4,412.5810	0.7467		4,431.2484
Total	2.6639	22.3477	25.4083	0.0472		0.9692	0.9692		0.9237	0.9237	0.0000	4,412.5810	4,412.5810	0.7467		4,431.2484

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	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
Vendor	0.0434	1.3898	0.4580	4.7700e-003	0.0861	1.6700e-003	0.0878	0.0266	1.6000e-003	0.0282	511.4911	511.4911	0.0289			512.2130
Worker	0.8007	0.4858	5.8049	0.0194	1.3415	0.0168	1.3583	0.3734	0.0154	0.3889	1,931.6076	1,931.6076	0.0470			1,932.7627

Total	0.8441	1.8755	6.2629	0.0241	1.4276	0.0184	1.4460	0.4000	0.0170	0.4170		2,443.0987	2,443.0987	0.0759		2,444.9957
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3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4,412.8372	4,412.8372	0.7376		4,431.2759
Total	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4,412.8372	4,412.8372	0.7376		4,431.2759

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0423	1.3780	0.4463	4.7400e-003	0.1281	1.6400e-003	0.1297	0.0369	1.5700e-003	0.0384		508.7485	508.7485	0.0284		509.4595
Worker	0.7627	0.4444	5.3862	0.0186	2.2355	0.0164	2.2519	0.5929	0.0151	0.6080		1,856.8337	1,856.8337	0.0428		1,857.9048
Total	0.8050	1.8224	5.8325	0.0234	2.3636	0.0181	2.3816	0.6297	0.0167	0.6464		2,365.5822	2,365.5822	0.0713		2,367.3643

Mitigated Construction On-Site

Off-Road	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4,412.8372	4,412.8372	0.7376		4,431.2759
Total	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088		4,412.8372	4,412.8372	0.7376		4,431.2759

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0413	1.3652	0.4373	4.7200e-003	0.1281	1.6000e-003	0.1297	0.0369	1.5300e-003	0.0384		506.1173	506.1173	0.0280		506.8176
Worker	0.7303	0.4093	5.0319	0.0180	2.2355	0.0159	2.2514	0.5929	0.0146	0.6075		1,792.3460	1,792.3460	0.0393		1,793.3277
Total	0.7716	1.7745	5.4692	0.0227	2.3636	0.0175	2.3810	0.6297	0.0161	0.6459		2,298.4633	2,298.4633	0.0673		2,300.1452

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Off-Road	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088	0.0000	4,412.8372	4,412.8372	0.7376		4,431.2759
Total	2.5063	20.8770	25.2766	0.0472		0.8408	0.8408		0.8088	0.8088	0.0000	4,412.8372	4,412.8372	0.7376		4,431.2759

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	0.0846	2.7560	0.8926	9.4900e-003	0.2561	3.2800e-003	0.2594	0.0737	3.1400e-003	0.0769	1.017.4970	1.017.4970	0.0569	1.018.9191
Worker	0.0191	0.0111	0.1347	4.7000e-004	0.0559	4.1000e-004	0.0563	0.0148	3.8000e-004	0.0152	46.4208	46.4208	1.0700e-003	46.4476
Total	0.1037	2.7671	1.0273	9.9600e-003	0.3120	3.6900e-003	0.3157	0.0886	3.5200e-003	0.0921	1,063.9178	1,063.9178	0.0580	1,065.3667

Mitigated 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
Archit. Coating	21.4296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	21.7713	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

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
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	0.0846	2.7560	0.8926	9.4900e-003	0.1722	3.2800e-003	0.1755	0.0531	3.1400e-003	0.0563	1.017.4970	1.017.4970	0.0569			1,018.9191
Worker	0.0191	0.0111	0.1347	4.7000e-004	0.0335	4.1000e-004	0.0340	9.3400e-003	3.8000e-004	9.7100e-003	46.4208	46.4208	1.0700e-003			46.4476

Total	0.1037	2.7671	1.0273	9.9600e-003	0.2057	3.6900e-003	0.2094	0.0625	3.5200e-003	0.0660	1.063.9178	1.063.9178	0.0580	1.065.3667
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3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Archit. Coating	21.4296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	21.7713	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

Unmitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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	0.0627	2.7304	0.8746	9.4300e-003	0.2361	3.2100e-003	0.2393	0.0737	3.0600e-003	0.0768	1.012.2346	1.012.2346	0.0560			1.013.6351
Worker	0.0183	0.0102	0.1258	4.5000e-004	0.0559	4.0000e-004	0.0563	0.0148	3.6000e-004	0.0152		44.8087	44.8087	9.8000e-004		44.8332
Total	0.1009	2.7406	1.0004	9.8800e-003	0.3120	3.6100e-003	0.3156	0.0886	3.4200e-003	0.0920		1.057.0432	1.057.0432	0.0570		1.058.4683

Mitigated Construction On-Site

	ROG	NOK	CO	SO2	Fugitive 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															
Archit. Coating	21.4296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	21.7713	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

Mitigated Construction Off-Site

	ROG	NOK	CO	SO2	Fugitive 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															
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	0.0827	2.7304	0.8746	9.4300e-003	0.1722	3.2100e-003	0.1754	0.0531	3.0600e-003	0.0562	1,012.2346	1,012.2346	0.0560			1,013.6351
Worker	0.0183	0.0102	0.1258	4.5000e-004	0.0335	4.0000e-004	0.0339	9.3400e-003	3.6000e-004	9.7000e-003		44.8087	44.8087	9.8000e-004		44.8332
Total	0.1009	2.7406	1.0004	9.8800e-003	0.2057	3.6100e-003	0.2093	0.0625	3.4200e-003	0.0659		1,057.0432	1,057.0432	0.0570		1,058.4683

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	3.3436	15.6705	45.1166	0.1917	18.4344	0.1460	18.5804	4.9319	0.1356	5.0675		19,582.650	19,582.650	0.8954		19,605.036
												9	9			4
Unmitigated	3.3436	15.6705	45.1166	0.1917	18.4344	0.1460	18.5804	4.9319	0.1356	5.0675		19,582.650	19,582.650	0.8954		19,605.036
												9	9			4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Apartments High Rise	1,817.60	1,817.60	1,817.60	6,991,856		6,991,856	
Enclosed Parking with Elevator	0.00	0.00	0.00				
Strip Mall	66.48	66.48	66.48	229,312		229,312	
Fast Food Restaurant w/o Drive Thru	201.08	201.08	201.08	602,965		602,965	
High Turnover (Sit Down Restaurant)	264.22	264.22	264.22	847,516		847,516	
Total	2,349.38	2,349.38	2,349.38	8,671,650		8,671,650	

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	40.00	19.00	41.00	100	0		0	
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0		0	
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0		0	
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	100	0		0	
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	100	0		0	

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.006267	0.000705	0.000834

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	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o	1264.44	0.0136	0.1240	0.1041	7.4000e-004	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	149.6414
High Turnover (Sit Down Restaurant)	2908.21	0.0314	0.2851	0.2395	1.7100e-003	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	344.1753
Strip Mall	24.8831	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	2.9448
Total		0.2196	1.9009	0.9795	0.0120	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	2,409.3790

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						
Apartments High Rise	16,1612	0.1743	1.4894	0.6338	9.5100e-003	0.1204	0.1204	0.1204	0.1204	0.1204	0.1204	1,901.3188	1,901.3188	0.0364	0.0349	1,912.6174		
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	0.0000		
Fast Food Restaurant w/o	1,26444	0.0136	0.1240	0.1041	7.4000e-004	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	9.4200e-003	148.7575	148.7575	2.8500e-003	2.7300e-003	149.6414		
High Turnover (Sit Down Restaurant)	2.90821	0.0314	0.2851	0.2395	1.7100e-003	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	342.1421	342.1421	6.5600e-003	6.2700e-003	344.1753		
Strip Mall	0.0248831	2.7000e-004	2.4400e-003	2.0500e-003	1.0000e-005	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	1.9000e-004	2.9274	2.9274	6.0000e-005	5.0000e-005	2.9448		
Total		0.2196	1.9009	0.9795	0.0120	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	2,395.1458	2,395.1458	0.0459	0.0439	2,409.3790		

6.0 Area Detail

6.1 Mitigation Measures Area

3440 Wilshire Boulevard
 GHG Emissions Impact Compared to "No Action Taken" Scenario

Source	NAT (2026)	As Proposed (2026)	Reduction from NAT	Change from NAT
Area	11	11	-	0%
Energy	7,812	4,531	(3,281)	-42%
Mobile	4,674	3,281	(1,393)	-30%
Waste	190	190	-	0%
Water	546	546	-	0%
Construction	140	140	-	0%
Total Emissions	13,372	8,698	(4,674)	-35.0%

Land Use	NAT	As Proposed	Difference
Land Use	640 DU, 5,538 sf retail	640 DU, 5,538 sf retail, None	
Traffic	Up to 2,348 ADT	Up to 2,348 ADT	None
Area	Same as proposed	Project assumptions	None
Energy	No State measures	See below	State measures
Mobile	No State measures	See below	State measures
Waste	Reduce construction w	Reduce construction w	None
Water	Project assumptions	Project assumptions	None

Mobile source emission: Pavley emission standards (19.8% reduction)

Low carbon fuel standard (7.2% reduction)

Vehicle efficiency measures (2.8% reduction)

Energy Production Assu Natural gas transmission and distribution efficiency measures (7.4% reduction)

Natural gas extraction efficiency measures (1.6% reduction)

Renewables (electricity) portfolio standard (33% reduction)