
APPENDIX E

AIR RESOURCES

This page intentionally
left blank.

Demographic and Vehicle Miles Traveled (VMT) Data

	2017	2035	2035	Change
	<i>Existing</i>	<i>Growth</i>	<i>Total</i>	
Population	78,525	31,883	110,408	29%

numbers from data provided by DKS (2017)

VMT	2015*	2035	Total	Change
	<i>Existing</i>	<i>Growth</i>		
VMT (daily)	2,001,885	343,187	2,345,072	15%
VMT (annual)	694,653,935	119,085,884	813,739,819	

*VMT from Traffic Report DKS (2017). 2015 is the base year for the traffic analysis and will represent existing conditions for the purposes of air emissions calculations.

CalEEMod Input for Increase of Land Uses

Residential Land Uses	
Single Family DU	6,829
Multifamily DU	8,429
Nonresidential Land Uses	
Office Park (square feet)	1,411,796
General Office Building (square feet)	584,938
Strip Mall (square feet)	1,697,730
Regional Shopping Center (square feet)	2,273,284
Industrial Park (square feet)	1,196,749
Schools (students)	4,906
City Park (acres)	138.25

Source: Acres/DU from Mintier Harnish 2016 used as the basis for the DKS Traffic Report

Includes Vacant/Underutilized projects Citywide, in addition to Planned and Approved projects

FPASP estimates 4,906 K-12 Students; 5 elementary schools and 1 high school middle school with 2,900 students

In order to account for project-specific VMT, default trip rates in CalEEMod were scaled to match total trip generation as presented in Table 17-13 of Chapter 17. Default trip lengths were also scaled for project-specific annual VMT.

Land Use Designation	CalEEMod Land Use
SF - Single Family	Single Family Housing
SFHD - Single Family High Density	Single Family Housing
MLD - Multifamily Low Density	Residential/Apartments Low Rise
MMD - Multifamily Medium Density	Residential/Apartments Low Rise
MHD - Multifamily High Density	Residential/Apartments Low Rise
GC - General Commercial	Office Park
CC - Community Commercial	Strip Mall
RCC - Regional Commercial Center	Regional Shopping Center
MU - Mixed Use*	Apartments Low Rise/General Office/Strip Mall
EBC - Mixed Use Overlay*	Apartments Low Rise/General Office/Strip Mall
HF - Historic Folsom Mixed Use*	Apartments Low Rise/General Office/Strip Mall
IND - Industrial/Office Park	Industrial Park
PO - Professional/Office	General Office Building
PQP - Public/Quasi-Public	Schools
P - Parks	City Park
OS - Open Space	

*Mixed Use assumed to be housing, office, retail. Since DU provided, Non-Residential SQ FT split between office and retail.

City of Folsom 2035 General Plan - Sacramento County, Annual

**City of Folsom 2035 General Plan
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	584.94	1000sqft	13.43	584,938.00	0
Office Park	1,411.80	1000sqft	32.41	1,411,796.00	0
Elementary School	2,006.00	Student	3.85	167,708.36	0
High School	2,900.00	Student	8.83	384,716.83	0
Industrial Park	1,196.75	1000sqft	27.47	1,196,749.00	0
City Park	138.25	Acre	138.25	6,022,170.00	0
Apartments Low Rise	8,429.00	Dwelling Unit	526.81	8,429,000.00	22505
Single Family Housing	6,829.00	Dwelling Unit	2,217.21	12,292,200.00	18233
Regional Shopping Center	2,273.28	1000sqft	52.19	2,273,284.00	0
Strip Mall	1,697.73	1000sqft	38.97	1,697,730.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2035
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

City of Folsom 2035 General Plan - Sacramento County, Annual

tblVehicleTrips	CNW_TL	6.50	1.70
tblVehicleTrips	CNW_TL	6.50	1.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	HO_TL	6.50	1.70
tblVehicleTrips	HO_TL	6.50	1.70
tblVehicleTrips	HS_TL	5.00	1.30
tblVehicleTrips	HS_TL	5.00	1.30
tblVehicleTrips	HW_TL	10.00	2.70
tblVehicleTrips	HW_TL	10.00	2.70
tblVehicleTrips	ST_TR	7.16	5.43
tblVehicleTrips	ST_TR	22.75	17.25
tblVehicleTrips	ST_TR	2.46	1.87
tblVehicleTrips	ST_TR	0.61	0.46
tblVehicleTrips	ST_TR	2.49	1.89
tblVehicleTrips	ST_TR	1.64	1.24
tblVehicleTrips	ST_TR	49.97	37.88
tblVehicleTrips	ST_TR	9.91	7.51
tblVehicleTrips	ST_TR	42.04	31.87
tblVehicleTrips	SU_TR	6.07	4.60
tblVehicleTrips	SU_TR	16.74	12.69

City of Folsom 2035 General Plan - Sacramento County, Annual

tblVehicleTrips	SU_TR	1.05	0.80
tblVehicleTrips	SU_TR	0.25	0.19
tblVehicleTrips	SU_TR	0.73	0.55
tblVehicleTrips	SU_TR	0.76	0.58
tblVehicleTrips	SU_TR	25.24	19.14
tblVehicleTrips	SU_TR	8.62	6.54
tblVehicleTrips	SU_TR	20.43	15.49
tblVehicleTrips	WD_TR	6.59	5.00
tblVehicleTrips	WD_TR	1.89	1.43
tblVehicleTrips	WD_TR	1.29	0.98
tblVehicleTrips	WD_TR	11.03	8.36
tblVehicleTrips	WD_TR	1.71	1.30
tblVehicleTrips	WD_TR	6.83	5.18
tblVehicleTrips	WD_TR	11.42	8.66
tblVehicleTrips	WD_TR	42.70	32.37
tblVehicleTrips	WD_TR	9.52	7.22
tblVehicleTrips	WD_TR	44.32	33.60

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

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

City of Folsom 2035 General Plan - Sacramento County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	132.3666	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688
Energy	1.9101	16.5461	8.5817	0.1042		1.3197	1.3197		1.3197	1.3197	0.0000	70,899.6504	70,899.6504	2.9167	0.8751	71,233.3371
Mobile	23.5630	125.7244	144.4174	0.4872	44.4741	0.3109	44.7850	11.9077	0.2882	12.1959	0.0000	45,276.3613	45,276.3613	2.5616	0.0000	45,340.4010
Waste						0.0000	0.0000		0.0000	0.0000	3,828.1944	0.0000	3,828.1944	226.2398	0.0000	9,484.1896
Water						0.0000	0.0000		0.0000	0.0000	685.5036	3,741.9633	4,427.4669	2.5433	1.5288	4,946.6249
Total	157.8397	144.0809	309.9515	0.5998	44.4741	2.5038	46.9779	11.9077	2.4811	14.3887	4,513.6979	120,175.3074	124,689.0053	234.5068	2.4038	131,268.0214

City of Folsom 2035 General Plan - Sacramento County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	132.3666	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688
Energy	1.9101	16.5461	8.5817	0.1042		1.3197	1.3197		1.3197	1.3197	0.0000	70,899.6504	70,899.6504	2.9167	0.8751	71,233.3371
Mobile	23.5630	125.7244	144.4174	0.4872	44.4741	0.3109	44.7850	11.9077	0.2882	12.1959	0.0000	45,276.3613	45,276.3613	2.5616	0.0000	45,340.4010
Waste						0.0000	0.0000		0.0000	0.0000	3,828.1944	0.0000	3,828.1944	226.2398	0.0000	9,484.1896
Water						0.0000	0.0000		0.0000	0.0000	685.5036	3,741.9633	4,427.4669	2.5433	1.5288	4,946.6249
Total	157.8397	144.0809	309.9515	0.5998	44.4741	2.5038	46.9779	11.9077	2.4811	14.3887	4,513.6979	120,175.3074	124,689.0053	234.5068	2.4038	131,268.0214

	ROG	NOx	CO	SO2	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	Architectural Coating	Architectural Coating	1/1/2018	12/31/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

City of Folsom 2035 General Plan - Sacramento County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 41,960,430; Residential Outdoor: 13,986,810; Non-Residential Indoor: 11,575,383; Non-Residential Outdoor: 3,858,461; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2,740.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

City of Folsom 2035 General Plan - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	23.5630	125.7244	144.4174	0.4872	44.4741	0.3109	44.7850	11.9077	0.2882	12.1959	0.0000	45,276.36 13	45,276.36 13	2.5616	0.0000	45,340.40 10
Unmitigated	23.5630	125.7244	144.4174	0.4872	44.4741	0.3109	44.7850	11.9077	0.2882	12.1959	0.0000	45,276.36 13	45,276.36 13	2.5616	0.0000	45,340.40 10

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	42,145.00	45,769.47	38773.40	28,866,347	28,866,347
City Park	197.70	2,384.81	1754.39	359,361	359,361
Elementary School	1,965.88	0.00	0.00	795,457	795,457
General Office Building	4,890.10	1,093.84	467.95	2,037,838	2,037,838
High School	3,770.00	1,334.00	551.00	2,078,093	2,078,093
Industrial Park	6,199.17	2,261.86	658.21	3,220,514	3,220,514
Office Park	12,226.19	1,750.63	818.84	5,230,595	5,230,595
Regional Shopping Center	73,586.07	86,111.85	43510.58	26,329,024	26,329,024
Single Family Housing	49,305.38	51,285.79	44661.66	33,481,405	33,481,405
Strip Mall	57,043.73	54,106.66	26297.84	17,103,938	17,103,938
Total	251,329.21	246,098.90	157,493.88	119,502,573	119,502,573

4.3 Trip Type Information

City of Folsom 2035 General Plan - Sacramento County, Annual

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 Low Rise	2.70	1.30	1.70	46.50	12.50	41.00	86	11	3
City Park	2.70	1.30	1.70	33.00	48.00	19.00	66	28	6
Elementary School	2.70	1.30	1.70	65.00	30.00	5.00	63	25	12
General Office Building	2.70	1.30	1.70	33.00	48.00	19.00	77	19	4
High School	2.70	1.30	1.70	77.80	17.20	5.00	75	19	6
Industrial Park	2.70	1.30	1.70	59.00	28.00	13.00	79	19	2
Office Park	2.70	1.30	1.70	33.00	48.00	19.00	82	15	3
Regional Shopping Center	2.70	1.30	1.70	16.30	64.70	19.00	54	35	11
Single Family Housing	2.70	1.30	1.70	46.50	12.50	41.00	86	11	3
Strip Mall	2.70	1.30	1.70	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
City Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Elementary School	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
General Office Building	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
High School	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Industrial Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Office Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Regional Shopping Center	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Single Family Housing	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Strip Mall	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

City of Folsom 2035 General Plan - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	51,995.8098	51,995.8098	2.5544	0.5285	52,217.1604
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51,995.8098	51,995.8098	2.5544	0.5285	52,217.1604
NaturalGas Mitigated	1.9101	16.5461	8.5817	0.1042		1.3197	1.3197		1.3197	1.3197	0.0000	18,903.8406	18,903.8406	0.3623	0.3466	19,016.1767
NaturalGas Unmitigated	1.9101	16.5461	8.5817	0.1042		1.3197	1.3197		1.3197	1.3197	0.0000	18,903.8406	18,903.8406	0.3623	0.3466	19,016.1767

City of Folsom 2035 General Plan - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.0198e+008	0.5499	4.6991	1.9996	0.0300		0.3799	0.3799		0.3799	0.3799	0.0000	5,442.0471	5,442.0471	0.1043	0.0998	5,474.3865
City Park	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
Elementary School	2.55923e+006	0.0138	0.1255	0.1054	7.5000e-004		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003	0.0000	136.5702	136.5702	2.6200e-003	2.5000e-003	137.3818
General Office Building	7.66269e+006	0.0413	0.3756	0.3155	2.2500e-003		0.0286	0.0286		0.0286	0.0286	0.0000	408.9102	408.9102	7.8400e-003	7.5000e-003	411.3402
High School	5.87078e+006	0.0317	0.2878	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219	0.0000	313.2871	313.2871	6.0000e-003	5.7400e-003	315.1488
Industrial Park	1.56774e+007	0.0845	0.7685	0.6455	4.6100e-003		0.0584	0.0584		0.0584	0.0584	0.0000	836.6064	836.6064	0.0160	0.0153	841.5779
Office Park	2.25464e+007	0.1216	1.1052	0.9284	6.6300e-003		0.0840	0.0840		0.0840	0.0840	0.0000	1,203.1608	1,203.1608	0.0231	0.0221	1,210.3106
Regional Shopping Center	1.23212e+007	0.0664	0.6040	0.5073	3.6200e-003		0.0459	0.0459		0.0459	0.0459	0.0000	657.5061	657.5061	0.0126	0.0121	661.4134
Single Family Housing	1.76425e+008	0.9513	8.1294	3.4593	0.0519		0.6573	0.6573		0.6573	0.6573	0.0000	9,414.7151	9,414.7151	0.1805	0.1726	9,470.6620
Strip Mall	9.2017e+006	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	491.0376	491.0376	9.4100e-003	9.0000e-003	493.9556
Total		1.9102	16.5461	8.5817	0.1042		1.3197	1.3197		1.3197	1.3197	0.0000	18,903.8406	18,903.8406	0.3623	0.3466	19,016.1767

City of Folsom 2035 General Plan - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.0198e+008	0.5499	4.6991	1.9996	0.0300		0.3799	0.3799		0.3799	0.3799	0.0000	5,442.0471	5,442.0471	0.1043	0.0998	5,474.3865
City Park	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
Elementary School	2.55923e+006	0.0138	0.1255	0.1054	7.5000e-004		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003	0.0000	136.5702	136.5702	2.6200e-003	2.5000e-003	137.3818
General Office Building	7.66269e+006	0.0413	0.3756	0.3155	2.2500e-003		0.0286	0.0286		0.0286	0.0286	0.0000	408.9102	408.9102	7.8400e-003	7.5000e-003	411.3402
High School	5.87078e+006	0.0317	0.2878	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219	0.0000	313.2871	313.2871	6.0000e-003	5.7400e-003	315.1488
Industrial Park	1.56774e+007	0.0845	0.7685	0.6455	4.6100e-003		0.0584	0.0584		0.0584	0.0584	0.0000	836.6064	836.6064	0.0160	0.0153	841.5779
Office Park	2.25464e+007	0.1216	1.1052	0.9284	6.6300e-003		0.0840	0.0840		0.0840	0.0840	0.0000	1,203.1608	1,203.1608	0.0231	0.0221	1,210.3106
Regional Shopping Center	1.23212e+007	0.0664	0.6040	0.5073	3.6200e-003		0.0459	0.0459		0.0459	0.0459	0.0000	657.5061	657.5061	0.0126	0.0121	661.4134
Single Family Housing	1.76425e+008	0.9513	8.1294	3.4593	0.0519		0.6573	0.6573		0.6573	0.6573	0.0000	9,414.7151	9,414.7151	0.1805	0.1726	9,470.6620
Strip Mall	9.2017e+006	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343	0.0000	491.0376	491.0376	9.4100e-003	9.0000e-003	493.9556
Total		1.9102	16.5461	8.5817	0.1042		1.3197	1.3197		1.3197	1.3197	0.0000	18,903.8406	18,903.8406	0.3623	0.3466	19,016.1767

City of Folsom 2035 General Plan - Sacramento County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.78819e+007	10,143.2749	0.4983	0.1031	10,186.4557
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22763e+006	328.7091	0.0162	3.3400e-003	330.1084
General Office Building	8.4465e+006	2,261.6371	0.1111	0.0230	2,271.2650
High School	2.81613e+006	754.0465	0.0370	7.6600e-003	757.2566
Industrial Park	1.72811e+007	4,627.1774	0.2273	0.0470	4,646.8757
Office Park	2.29276e+007	6,139.0879	0.3016	0.0624	6,165.2225
Regional Shopping Center	2.63019e+007	7,042.5986	0.3460	0.0716	7,072.5795
Single Family Housing	5.76626e+007	15,439.7372	0.7585	0.1569	15,505.4654
Strip Mall	1.96427e+007	5,259.5412	0.2584	0.0535	5,281.9315
Total		51,995.8098	2.5544	0.5285	52,217.1604

City of Folsom 2035 General Plan - Sacramento County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.78819e+007	10,143.2749	0.4983	0.1031	10,186.4557
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22763e+006	328.7091	0.0162	3.3400e-003	330.1084
General Office Building	8.4465e+006	2,261.6371	0.1111	0.0230	2,271.2650
High School	2.81613e+006	754.0465	0.0370	7.6600e-003	757.2566
Industrial Park	1.72811e+007	4,627.1774	0.2273	0.0470	4,646.8757
Office Park	2.29276e+007	6,139.0879	0.3016	0.0624	6,165.2225
Regional Shopping Center	2.63019e+007	7,042.5986	0.3460	0.0716	7,072.5795
Single Family Housing	5.76626e+007	15,439.7372	0.7585	0.1569	15,505.4654
Strip Mall	1.96427e+007	5,259.5412	0.2584	0.0535	5,281.9315
Total		51,995.8098	2.5544	0.5285	52,217.1604

6.0 Area Detail

6.1 Mitigation Measures Area

City of Folsom 2035 General Plan - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	132.3666	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688
Unmitigated	132.3666	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	16.5426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	111.1217					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	4.7024	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688
Total	132.3666	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688

City of Folsom 2035 General Plan - Sacramento County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	16.5426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	111.1217					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	4.7024	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688
Total	132.3666	1.8104	156.9524	8.3200e-003		0.8731	0.8731		0.8731	0.8731	0.0000	257.3324	257.3324	0.2455	0.0000	263.4688

7.0 Water Detail

7.1 Mitigation Measures Water

City of Folsom 2035 General Plan - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4,427.466 9	2.5433	1.5288	4,946.624 9
Unmitigated	4,427.466 9	2.5433	1.5288	4,946.624 9

City of Folsom 2035 General Plan - Sacramento County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	549.183 / 346.224	1,251.4578	0.7207	0.4333	1,398.5952
City Park	0 / 164.722	154.3712	7.5800e-003	1.5700e-003	155.0284
Elementary School	4.86303 / 12.5049	19.9276	6.8200e-003	3.9300e-003	21.2682
General Office Building	103.964 / 63.7196	235.2001	0.1364	0.0820	263.0468
High School	12.7744 / 32.8484	52.3467	0.0179	0.0103	55.8681
Industrial Park	276.748 / 0	467.1356	0.3552	0.2167	540.5861
Office Park	250.925 / 153.792	567.6745	0.3291	0.1979	634.8847
Regional Shopping Center	168.388 / 103.205	380.9486	0.2208	0.1328	426.0513
Single Family Housing	444.937 / 280.504	1,013.9050	0.5839	0.3510	1,133.1127
Strip Mall	125.755 / 77.0757	284.4999	0.1649	0.0992	318.1834
Total		4,427.4669	2.5433	1.5288	4,946.6249

City of Folsom 2035 General Plan - Sacramento County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	549.183 / 346.224	1,251.4578	0.7207	0.4333	1,398.5952
City Park	0 / 164.722	154.3712	7.5800e-003	1.5700e-003	155.0284
Elementary School	4.86303 / 12.5049	19.9276	6.8200e-003	3.9300e-003	21.2682
General Office Building	103.964 / 63.7196	235.2001	0.1364	0.0820	263.0468
High School	12.7744 / 32.8484	52.3467	0.0179	0.0103	55.8681
Industrial Park	276.748 / 0	467.1356	0.3552	0.2167	540.5861
Office Park	250.925 / 153.792	567.6745	0.3291	0.1979	634.8847
Regional Shopping Center	168.388 / 103.205	380.9486	0.2208	0.1328	426.0513
Single Family Housing	444.937 / 280.504	1,013.9050	0.5839	0.3510	1,133.1127
Strip Mall	125.755 / 77.0757	284.4999	0.1649	0.0992	318.1834
Total		4,427.4669	2.5433	1.5288	4,946.6249

8.0 Waste Detail

8.1 Mitigation Measures Waste

City of Folsom 2035 General Plan - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3,828.194 4	226.2398	0.0000	9,484.189 6
Unmitigated	3,828.194 4	226.2398	0.0000	9,484.189 6

City of Folsom 2035 General Plan - Sacramento County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	3877.34	787.0650	46.5142	0.0000	1,949.9202
City Park	11.89	2.4136	0.1426	0.0000	5.9795
Elementary School	366.09	74.3130	4.3918	0.0000	184.1072
General Office Building	543.99	110.4251	6.5259	0.0000	273.5734
High School	529.25	107.4330	6.3491	0.0000	266.1606
Industrial Park	1483.97	301.2325	17.8023	0.0000	746.2908
Office Park	1312.97	266.5210	15.7509	0.0000	660.2946
Regional Shopping Center	2386.94	484.5273	28.6347	0.0000	1,200.3958
Single Family Housing	6563.88	1,332.4083	78.7431	0.0000	3,300.9852
Strip Mall	1782.62	361.8558	21.3851	0.0000	896.4823
Total		3,828.1944	226.2398	0.0000	9,484.1896

City of Folsom 2035 General Plan - Sacramento County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	3877.34	787.0650	46.5142	0.0000	1,949.9202
City Park	11.89	2.4136	0.1426	0.0000	5.9795
Elementary School	366.09	74.3130	4.3918	0.0000	184.1072
General Office Building	543.99	110.4251	6.5259	0.0000	273.5734
High School	529.25	107.4330	6.3491	0.0000	266.1606
Industrial Park	1483.97	301.2325	17.8023	0.0000	746.2908
Office Park	1312.97	266.5210	15.7509	0.0000	660.2946
Regional Shopping Center	2386.94	484.5273	28.6347	0.0000	1,200.3958
Single Family Housing	6563.88	1,332.4083	78.7431	0.0000	3,300.9852
Strip Mall	1782.62	361.8558	21.3851	0.0000	896.4823
Total		3,828.1944	226.2398	0.0000	9,484.1896

9.0 Operational Offroad

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

City of Folsom 2035 General Plan - Sacramento County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

City of Folsom 2035 General Plan - Sacramento County, Summer

City of Folsom 2035 General Plan
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	584.94	1000sqft	13.43	584,938.00	0
Office Park	1,411.80	1000sqft	32.41	1,411,796.00	0
Elementary School	2,006.00	Student	3.85	167,708.36	0
High School	2,900.00	Student	8.83	384,716.83	0
Industrial Park	1,196.75	1000sqft	27.47	1,196,749.00	0
City Park	138.25	Acre	138.25	6,022,170.00	0
Apartments Low Rise	8,429.00	Dwelling Unit	526.81	8,429,000.00	22505
Single Family Housing	6,829.00	Dwelling Unit	2,217.21	12,292,200.00	18233
Regional Shopping Center	2,273.28	1000sqft	52.19	2,273,284.00	0
Strip Mall	1,697.73	1000sqft	38.97	1,697,730.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2035
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

City of Folsom 2035 General Plan - Sacramento County, Summer

tblVehicleTrips	CNW_TL	6.50	1.70
tblVehicleTrips	CNW_TL	6.50	1.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	HO_TL	6.50	1.70
tblVehicleTrips	HO_TL	6.50	1.70
tblVehicleTrips	HS_TL	5.00	1.30
tblVehicleTrips	HS_TL	5.00	1.30
tblVehicleTrips	HW_TL	10.00	2.70
tblVehicleTrips	HW_TL	10.00	2.70
tblVehicleTrips	ST_TR	7.16	5.43
tblVehicleTrips	ST_TR	22.75	17.25
tblVehicleTrips	ST_TR	2.46	1.87
tblVehicleTrips	ST_TR	0.61	0.46
tblVehicleTrips	ST_TR	2.49	1.89
tblVehicleTrips	ST_TR	1.64	1.24
tblVehicleTrips	ST_TR	49.97	37.88
tblVehicleTrips	ST_TR	9.91	7.51
tblVehicleTrips	ST_TR	42.04	31.87
tblVehicleTrips	SU_TR	6.07	4.60
tblVehicleTrips	SU_TR	16.74	12.69

City of Folsom 2035 General Plan - Sacramento County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1
Energy	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3 691	114,180.3 691	2.1885	2.0933	114,858.8 859
Mobile	207.6232	789.2797	910.4369	3.2587	287.3892	1.9388	289.3279	76.7285	1.7966	78.5251		333,571.1 392	333,571.1 392	17.1528		333,999.9 585
Total	955.2388	894.4263	2,213.079 2	3.8961	287.3892	16.1553	303.5445	76.7285	16.0131	92.7416	0.0000	450,020.7 911	450,020.7 911	21.5058	2.0933	451,182.2 415

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	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1
Energy	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3 691	114,180.3 691	2.1885	2.0933	114,858.8 859
Mobile	207.6232	789.2797	910.4369	3.2587	287.3892	1.9388	289.3279	76.7285	1.7966	78.5251		333,571.1 392	333,571.1 392	17.1528		333,999.9 585
Total	955.2388	894.4263	2,213.079 2	3.8961	287.3892	16.1553	303.5445	76.7285	16.0131	92.7416	0.0000	450,020.7 911	450,020.7 911	21.5058	2.0933	451,182.2 415

City of Folsom 2035 General Plan - Sacramento County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2018	12/31/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 41,960,430; Residential Outdoor: 13,986,810; Non-Residential Indoor: 11,575,383; Non-Residential Outdoor: 3,858,461; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2,740.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

City of Folsom 2035 General Plan - Sacramento County, Summer

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	207.6232	789.2797	910.4369	3.2587	287.3892	1.9388	289.3279	76.7285	1.7966	78.5251		333,571.1 392	333,571.1 392	17.1528		333,999.9 585
Unmitigated	207.6232	789.2797	910.4369	3.2587	287.3892	1.9388	289.3279	76.7285	1.7966	78.5251		333,571.1 392	333,571.1 392	17.1528		333,999.9 585

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	42,145.00	45,769.47	38773.40	28,866,347	28,866,347
City Park	197.70	2,384.81	1754.39	359,361	359,361
Elementary School	1,965.88	0.00	0.00	795,457	795,457
General Office Building	4,890.10	1,093.84	467.95	2,037,838	2,037,838
High School	3,770.00	1,334.00	551.00	2,078,093	2,078,093
Industrial Park	6,199.17	2,261.86	658.21	3,220,514	3,220,514
Office Park	12,226.19	1,750.63	818.84	5,230,595	5,230,595
Regional Shopping Center	73,586.07	86,111.85	43510.58	26,329,024	26,329,024
Single Family Housing	49,305.38	51,285.79	44661.66	33,481,405	33,481,405
Strip Mall	57,043.73	54,106.66	26297.84	17,103,938	17,103,938
Total	251,329.21	246,098.90	157,493.88	119,502,573	119,502,573

City of Folsom 2035 General Plan - Sacramento County, Summer

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 Low Rise	2.70	1.30	1.70	46.50	12.50	41.00	86	11	3
City Park	2.70	1.30	1.70	33.00	48.00	19.00	66	28	6
Elementary School	2.70	1.30	1.70	65.00	30.00	5.00	63	25	12
General Office Building	2.70	1.30	1.70	33.00	48.00	19.00	77	19	4
High School	2.70	1.30	1.70	77.80	17.20	5.00	75	19	6
Industrial Park	2.70	1.30	1.70	59.00	28.00	13.00	79	19	2
Office Park	2.70	1.30	1.70	33.00	48.00	19.00	82	15	3
Regional Shopping Center	2.70	1.30	1.70	16.30	64.70	19.00	54	35	11
Single Family Housing	2.70	1.30	1.70	46.50	12.50	41.00	86	11	3
Strip Mall	2.70	1.30	1.70	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
City Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Elementary School	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
General Office Building	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
High School	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Industrial Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Office Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Regional Shopping Center	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Single Family Housing	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Strip Mall	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566

5.0 Energy Detail

Historical Energy Use: N

City of Folsom 2035 General Plan - Sacramento County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3691	114,180.3691	2.1885	2.0933	114,858.8859
NaturalGas Unmitigated	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3691	114,180.3691	2.1885	2.0933	114,858.8859

City of Folsom 2035 General Plan - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	279398	3.0131	25.7484	10.9568	0.1644		2.0818	2.0818		2.0818	2.0818		32,870.3017	32,870.3017	0.6300	0.6026	33,065.6334
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	7011.59	0.0756	0.6874	0.5774	4.1200e-003		0.0522	0.0522		0.0522	0.0522		824.8927	824.8927	0.0158	0.0151	829.7946
General Office Building	20993.7	0.2264	2.0582	1.7289	0.0124		0.1564	0.1564		0.1564	0.1564		2,469.8430	2,469.8430	0.0473	0.0453	2,484.5200
High School	16084.3	0.1735	1.5769	1.3246	9.4600e-003		0.1198	0.1198		0.1198	0.1198		1,892.2736	1,892.2736	0.0363	0.0347	1,903.5184
Industrial Park	42951.8	0.4632	4.2110	3.5372	0.0253		0.3200	0.3200		0.3200	0.3200		5,053.1545	5,053.1545	0.0969	0.0926	5,083.1829
Office Park	61770.9	0.6662	6.0560	5.0870	0.0363		0.4603	0.4603		0.4603	0.4603		7,267.1659	7,267.1659	0.1393	0.1332	7,310.3510
Regional Shopping Center	33756.7	0.3640	3.3095	2.7800	0.0199		0.2515	0.2515		0.2515	0.2515		3,971.3777	3,971.3777	0.0761	0.0728	3,994.9776
Single Family Housing	483356	5.2127	44.5446	18.9552	0.2843		3.6015	3.6015		3.6015	3.6015		56,865.4627	56,865.4627	1.0899	1.0425	57,203.3857
Strip Mall	25210.1	0.2719	2.4716	2.0761	0.0148		0.1878	0.1878		0.1878	0.1878		2,965.8974	2,965.8974	0.0569	0.0544	2,983.5222
Total		10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3690	114,180.3690	2.1885	2.0933	114,858.8859

City of Folsom 2035 General Plan - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	279.398	3.0131	25.7484	10.9568	0.1644		2.0818	2.0818		2.0818	2.0818		32,870.3017	32,870.3017	0.6300	0.6026	33,065.6334
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	7.01159	0.0756	0.6874	0.5774	4.1200e-003		0.0522	0.0522		0.0522	0.0522		824.8927	824.8927	0.0158	0.0151	829.7946
General Office Building	20.9937	0.2264	2.0582	1.7289	0.0124		0.1564	0.1564		0.1564	0.1564		2,469.8430	2,469.8430	0.0473	0.0453	2,484.5200
High School	16.0843	0.1735	1.5769	1.3246	9.4600e-003		0.1198	0.1198		0.1198	0.1198		1,892.2736	1,892.2736	0.0363	0.0347	1,903.5184
Industrial Park	42.9518	0.4632	4.2110	3.5372	0.0253		0.3200	0.3200		0.3200	0.3200		5,053.1545	5,053.1545	0.0969	0.0926	5,083.1829
Office Park	61.7709	0.6662	6.0560	5.0870	0.0363		0.4603	0.4603		0.4603	0.4603		7,267.1659	7,267.1659	0.1393	0.1332	7,310.3510
Regional Shopping Center	33.7567	0.3640	3.3095	2.7800	0.0199		0.2515	0.2515		0.2515	0.2515		3,971.3777	3,971.3777	0.0761	0.0728	3,994.9776
Single Family Housing	483.356	5.2127	44.5446	18.9552	0.2843		3.6015	3.6015		3.6015	3.6015		56,865.4627	56,865.4627	1.0899	1.0425	57,203.3857
Strip Mall	25.2101	0.2719	2.4716	2.0761	0.0148		0.1878	0.1878		0.1878	0.1878		2,965.8974	2,965.8974	0.0569	0.0544	2,983.5222
Total		10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3690	114,180.3690	2.1885	2.0933	114,858.8859

6.0 Area Detail

6.1 Mitigation Measures Area

City of Folsom 2035 General Plan - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1
Unmitigated	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1

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	90.6442					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	608.8861					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	37.6188	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851		2,269.282 9	2,269.282 9	2.1646		2,323.397 1
Total	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1

City of Folsom 2035 General Plan - Sacramento County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	90.6442					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	608.8861					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	37.6188	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851		2,269.282 9	2,269.282 9	2.1646		2,323.397 1
Total	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

City of Folsom 2035 General Plan - Sacramento County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

City of Folsom 2035 General Plan - Sacramento County, Winter

City of Folsom 2035 General Plan
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	584.94	1000sqft	13.43	584,938.00	0
Office Park	1,411.80	1000sqft	32.41	1,411,796.00	0
Elementary School	2,006.00	Student	3.85	167,708.36	0
High School	2,900.00	Student	8.83	384,716.83	0
Industrial Park	1,196.75	1000sqft	27.47	1,196,749.00	0
City Park	138.25	Acre	138.25	6,022,170.00	0
Apartments Low Rise	8,429.00	Dwelling Unit	526.81	8,429,000.00	22505
Single Family Housing	6,829.00	Dwelling Unit	2,217.21	12,292,200.00	18233
Regional Shopping Center	2,273.28	1000sqft	52.19	2,273,284.00	0
Strip Mall	1,697.73	1000sqft	38.97	1,697,730.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2035
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

City of Folsom 2035 General Plan - Sacramento County, Winter

tblVehicleTrips	CNW_TL	6.50	1.70
tblVehicleTrips	CNW_TL	6.50	1.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	CW_TL	10.00	2.70
tblVehicleTrips	HO_TL	6.50	1.70
tblVehicleTrips	HO_TL	6.50	1.70
tblVehicleTrips	HS_TL	5.00	1.30
tblVehicleTrips	HS_TL	5.00	1.30
tblVehicleTrips	HW_TL	10.00	2.70
tblVehicleTrips	HW_TL	10.00	2.70
tblVehicleTrips	ST_TR	7.16	5.43
tblVehicleTrips	ST_TR	22.75	17.25
tblVehicleTrips	ST_TR	2.46	1.87
tblVehicleTrips	ST_TR	0.61	0.46
tblVehicleTrips	ST_TR	2.49	1.89
tblVehicleTrips	ST_TR	1.64	1.24
tblVehicleTrips	ST_TR	49.97	37.88
tblVehicleTrips	ST_TR	9.91	7.51
tblVehicleTrips	ST_TR	42.04	31.87
tblVehicleTrips	SU_TR	6.07	4.60
tblVehicleTrips	SU_TR	16.74	12.69

City of Folsom 2035 General Plan - Sacramento County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	737.1491	14.4831	1,255.6191	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.2829	2,269.2829	2.1646	0.0000	2,323.3971
Energy	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3691	114,180.3691	2.1885	2.0933	114,858.8859
Mobile	131.9575	789.9931	1,005.2344	2.9599	287.3892	1.9667	289.3559	76.7285	1.8233	78.5518		302,960.4864	302,960.4864	18.7840		303,430.0852
Total	879.5731	895.1396	2,307.8766	3.5974	287.3892	16.1832	303.5724	76.7285	16.0399	92.7684	0.0000	419,410.1383	419,410.1383	23.1370	2.0933	420,612.3682

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	737.1491	14.4831	1,255.6191	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.2829	2,269.2829	2.1646	0.0000	2,323.3971
Energy	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3691	114,180.3691	2.1885	2.0933	114,858.8859
Mobile	131.9575	789.9931	1,005.2344	2.9599	287.3892	1.9667	289.3559	76.7285	1.8233	78.5518		302,960.4864	302,960.4864	18.7840		303,430.0852
Total	879.5731	895.1396	2,307.8766	3.5974	287.3892	16.1832	303.5724	76.7285	16.0399	92.7684	0.0000	419,410.1383	419,410.1383	23.1370	2.0933	420,612.3682

City of Folsom 2035 General Plan - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	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	Architectural Coating	Architectural Coating	1/1/2018	12/31/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 41,960,430; Residential Outdoor: 13,986,810; Non-Residential Indoor: 11,575,383; Non-Residential Outdoor: 3,858,461; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2,740.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

City of Folsom 2035 General Plan - Sacramento County, Winter

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	131.9575	789.9931	1,005.234 4	2.9599	287.3892	1.9667	289.3559	76.7285	1.8233	78.5518		302,960.4 864	302,960.4 864	18.7840		303,430.0 852
Unmitigated	131.9575	789.9931	1,005.234 4	2.9599	287.3892	1.9667	289.3559	76.7285	1.8233	78.5518		302,960.4 864	302,960.4 864	18.7840		303,430.0 852

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	42,145.00	45,769.47	38773.40	28,866,347	28,866,347
City Park	197.70	2,384.81	1754.39	359,361	359,361
Elementary School	1,965.88	0.00	0.00	795,457	795,457
General Office Building	4,890.10	1,093.84	467.95	2,037,838	2,037,838
High School	3,770.00	1,334.00	551.00	2,078,093	2,078,093
Industrial Park	6,199.17	2,261.86	658.21	3,220,514	3,220,514
Office Park	12,226.19	1,750.63	818.84	5,230,595	5,230,595
Regional Shopping Center	73,586.07	86,111.85	43510.58	26,329,024	26,329,024
Single Family Housing	49,305.38	51,285.79	44661.66	33,481,405	33,481,405
Strip Mall	57,043.73	54,106.66	26297.84	17,103,938	17,103,938
Total	251,329.21	246,098.90	157,493.88	119,502,573	119,502,573

City of Folsom 2035 General Plan - Sacramento County, Winter

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 Low Rise	2.70	1.30	1.70	46.50	12.50	41.00	86	11	3
City Park	2.70	1.30	1.70	33.00	48.00	19.00	66	28	6
Elementary School	2.70	1.30	1.70	65.00	30.00	5.00	63	25	12
General Office Building	2.70	1.30	1.70	33.00	48.00	19.00	77	19	4
High School	2.70	1.30	1.70	77.80	17.20	5.00	75	19	6
Industrial Park	2.70	1.30	1.70	59.00	28.00	13.00	79	19	2
Office Park	2.70	1.30	1.70	33.00	48.00	19.00	82	15	3
Regional Shopping Center	2.70	1.30	1.70	16.30	64.70	19.00	54	35	11
Single Family Housing	2.70	1.30	1.70	46.50	12.50	41.00	86	11	3
Strip Mall	2.70	1.30	1.70	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
City Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Elementary School	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
General Office Building	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
High School	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Industrial Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Office Park	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Regional Shopping Center	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Single Family Housing	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566
Strip Mall	0.578893	0.033999	0.212840	0.104491	0.010628	0.004325	0.018736	0.026318	0.001852	0.001362	0.005392	0.000598	0.000566

5.0 Energy Detail

Historical Energy Use: N

City of Folsom 2035 General Plan - Sacramento County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3691	114,180.3691	2.1885	2.0933	114,858.8859
NaturalGas Unmitigated	10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3691	114,180.3691	2.1885	2.0933	114,858.8859

City of Folsom 2035 General Plan - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	279398	3.0131	25.7484	10.9568	0.1644		2.0818	2.0818		2.0818	2.0818		32,870.3017	32,870.3017	0.6300	0.6026	33,065.6334
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	7011.59	0.0756	0.6874	0.5774	4.1200e-003		0.0522	0.0522		0.0522	0.0522		824.8927	824.8927	0.0158	0.0151	829.7946
General Office Building	20993.7	0.2264	2.0582	1.7289	0.0124		0.1564	0.1564		0.1564	0.1564		2,469.8430	2,469.8430	0.0473	0.0453	2,484.5200
High School	16084.3	0.1735	1.5769	1.3246	9.4600e-003		0.1198	0.1198		0.1198	0.1198		1,892.2736	1,892.2736	0.0363	0.0347	1,903.5184
Industrial Park	42951.8	0.4632	4.2110	3.5372	0.0253		0.3200	0.3200		0.3200	0.3200		5,053.1545	5,053.1545	0.0969	0.0926	5,083.1829
Office Park	61770.9	0.6662	6.0560	5.0870	0.0363		0.4603	0.4603		0.4603	0.4603		7,267.1659	7,267.1659	0.1393	0.1332	7,310.3510
Regional Shopping Center	33756.7	0.3640	3.3095	2.7800	0.0199		0.2515	0.2515		0.2515	0.2515		3,971.3777	3,971.3777	0.0761	0.0728	3,994.9776
Single Family Housing	483356	5.2127	44.5446	18.9552	0.2843		3.6015	3.6015		3.6015	3.6015		56,865.4627	56,865.4627	1.0899	1.0425	57,203.3857
Strip Mall	25210.1	0.2719	2.4716	2.0761	0.0148		0.1878	0.1878		0.1878	0.1878		2,965.8974	2,965.8974	0.0569	0.0544	2,983.5222
Total		10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3690	114,180.3690	2.1885	2.0933	114,858.8859

City of Folsom 2035 General Plan - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	279.398	3.0131	25.7484	10.9568	0.1644		2.0818	2.0818		2.0818	2.0818		32,870.3017	32,870.3017	0.6300	0.6026	33,065.6334
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	7.01159	0.0756	0.6874	0.5774	4.1200e-003		0.0522	0.0522		0.0522	0.0522		824.8927	824.8927	0.0158	0.0151	829.7946
General Office Building	20.9937	0.2264	2.0582	1.7289	0.0124		0.1564	0.1564		0.1564	0.1564		2,469.8430	2,469.8430	0.0473	0.0453	2,484.5200
High School	16.0843	0.1735	1.5769	1.3246	9.4600e-003		0.1198	0.1198		0.1198	0.1198		1,892.2736	1,892.2736	0.0363	0.0347	1,903.5184
Industrial Park	42.9518	0.4632	4.2110	3.5372	0.0253		0.3200	0.3200		0.3200	0.3200		5,053.1545	5,053.1545	0.0969	0.0926	5,083.1829
Office Park	61.7709	0.6662	6.0560	5.0870	0.0363		0.4603	0.4603		0.4603	0.4603		7,267.1659	7,267.1659	0.1393	0.1332	7,310.3510
Regional Shopping Center	33.7567	0.3640	3.3095	2.7800	0.0199		0.2515	0.2515		0.2515	0.2515		3,971.3777	3,971.3777	0.0761	0.0728	3,994.9776
Single Family Housing	483.356	5.2127	44.5446	18.9552	0.2843		3.6015	3.6015		3.6015	3.6015		56,865.4627	56,865.4627	1.0899	1.0425	57,203.3857
Strip Mall	25.2101	0.2719	2.4716	2.0761	0.0148		0.1878	0.1878		0.1878	0.1878		2,965.8974	2,965.8974	0.0569	0.0544	2,983.5222
Total		10.4665	90.6635	47.0231	0.5709		7.2314	7.2314		7.2314	7.2314		114,180.3690	114,180.3690	2.1885	2.0933	114,858.8859

6.0 Area Detail

6.1 Mitigation Measures Area

City of Folsom 2035 General Plan - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1
Unmitigated	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1

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	90.6442					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	608.8861					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	37.6188	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851		2,269.282 9	2,269.282 9	2.1646		2,323.397 1
Total	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1

City of Folsom 2035 General Plan - Sacramento County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	90.6442					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	608.8861					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	37.6188	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851		2,269.282 9	2,269.282 9	2.1646		2,323.397 1
Total	737.1491	14.4831	1,255.619 1	0.0666		6.9851	6.9851		6.9851	6.9851	0.0000	2,269.282 9	2,269.282 9	2.1646	0.0000	2,323.397 1

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

City of Folsom 2035 General Plan - Sacramento County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
