

## Air Emissions Calculations

URBEMIS 2007 Version 9.2.4

**Project Name:** Valle Verde

OPERATION	Unmitigated tons/yr	lbs/yr	lbs/day	Threshold Lbs/day
ROG source and operations	0.98	1960	5.4	
NOx source and operations	0.32	640	1.8	
CO source and operations	0.01	20	0.1	
SO2 source and operations	0	0	0.0	
PM10 source and operations	0.33	660	1.8	80
PM2.5 source and operations	0.19	380	1.0	
CO2 source and operations	259.08	518160	1419.6	
ROG PLUS NOx All sources			7.1	240
ROG Motor Vehicles Only	0.19			
NOx Motor Vehicles Only	0.18			
ROG PLUS NOx Motor Vehlcies	0.37	740	2.0	25
CA CO2 Emissions	446334892.1			
USA CO2 Emissions	7260000000			
Project as % of CA CO2	0.000058%			
Project as % of USA CO2	0.0000036%			

CONSTRUCTION	Unmitigated tons/yr	Threshold tons/year
ROG	0.48	25
NOx	2.52	25
CO	2.4	NA
SO2	0	25
PM10	1.08	25
PM2.5	0.19	25
CO2	294.74	NA
CA CO2 Emissions	446334892.1	
USA CO2 Emissions	6586161212	
Project as % of CA CO2	0.000066%	
Project as % of USA CO2	0.0000045%	

Total CO2 Calculations	tons/yr	Threshold
Total Project CO2	553.82	TBD
California	492000000	
USA	7260000000	
CA Metric tons to US tons	446334892.1	
US Metric tons to US tons	6586161212	
Project as a Percentage CA	0.0001125650%	
Project as a Percentage USA	0.0000084088%	

Assumptions used in the URBEMIS analysis: acreage based on increased impervious area; trip rate based on memo from Transportation Planning

