

**Idling Reduction Working Group**  
Idling Emissions Table

Vehicle Type	Pollutant Type	Emission Factor (g/hr) *	Avg Idle Time (hr/day)	Active Days/Yr	Emissions (tpy/vehicle)	# of Vehicles	Total Emissions (tpy)
<b>Onroad Mobile Emissions</b>							
LDGV	NOx	3.35	1	260	0.0010	1	0.0010
	VOC	12.9990			0.0037	1	0.0037
	PM2.5	0.0288			0.0000	1	0.0000
	CO	75.3901			0.0216	1	0.0216
	CO2	1,015.94			0.2912	1	0.2912
HDGV	NOx	4.63	1	260	0.0013	1	0.0013
	VOC	10.4465			0.0030	1	0.0030
	PM2.5	0.1145			0.0000	1	0.0000
	CO	82.6273			0.0237	1	0.0237
	CO2	2,272.92			0.6514	1	0.6514
LDDV	NOx	2.52	1	260	0.0007	1	0.0007
	VOC	1.7675			0.0005	1	0.0005
	PM2.5	0.1718			0.0000	1	0.0000
	CO	7.0508			0.0020	1	0.0020
	CO2	1,026.92			0.2943	1	0.2943
HDDV	NOx	27.38	1	260	0.0078	1	0.0078
	VOC	2.8586			0.0008	1	0.0008
	PM2.5	0.9458			0.0003	1	0.0003
	CO	18.6751			0.0054	1	0.0054
	CO2	3,487.48			0.9995	1	0.9995
Transit Buses	NOx	49.32	1	260	0.0141	1	0.0141
	VOC	2.1800			0.0006	1	0.0006
	PM2.5	0.9824			0.0003	1	0.0003
	CO	30.2250			0.0087	1	0.0087
	CO2	5,851.50			1.6770	1	1.6770
School Buses	NOx	36.30	1	260	0.0104	1	0.0104
	VOC	3.9775			0.0011	1	0.0011
	PM2.5	0.9936			0.0003	1	0.0003
	CO	19.1100			0.0055	1	0.0055
	CO2	4,114.50			1.1792	1	1.1792
<b>Nonroad Construction Emissions</b>							
300 HP Max	NOx	149.52	1	260	0.0429	1	0.0429
	THC	57.2650			0.0164	1	0.0164
	PM	7.9500			0.0023	1	0.0023
	CO	61.7300			0.0177	1	0.0177
	CO2	6,658.02			1.9082	1	1.9082
175 HP Max	NOx	7.12	1	260	0.0020	1	0.0020
	THC	39.1650			0.0112	1	0.0112
	PM	8.7950			0.0025	1	0.0025
	CO	25.2600			0.0072	1	0.0072
	CO2	1,463.52			0.4194	1	0.4194
75-100 HP Max	NOx	39.22	1	260	0.0112	1	0.0112
	THC	10.5650			0.0030	1	0.0030
	PM	1.1450			0.0003	1	0.0003
	CO	14.4300			0.0041	1	0.0041
	CO2	2,430.18			0.6965	1	0.6965

\* Emission factors derived from Mobile6.2 & NONROAD EPA/FHWA modeling software

**Note:** "Avg Idle Time", "Active Days/Yr" and "# of Vehicles" may be changed to reflect real activity in a particular situation, community, fleet, etc.

LDGV = Light duty gasoline vehicle  
 HDGV = Heavy duty gasoline vehicle  
 LDDV = Light duty diesel vehicle  
 HDDV = Heavy duty diesel vehicle

NOx = Nitrogen oxides  
 VOC = Volital organic compounds  
 THC = Total hydrocarbons  
 PM2.5 = Fine particulate matter  
 PM = Particulate matter  
 CO = Carbon monoxide  
 CO2 = Carbon dioxide