

HANDOUTS

from previous meeting



October 14, 2009



6,211 pledges were made in 2009, a 14% increase from 2008.

Car Free Day participants collectively avoided over 575,000 miles by using SOV alternatives.

This year's participants used a variety of travel modes to avoid driving alone. The below chart is a snapshot of their transportation choices on Car Free Day:

Mode Used on CFD	#	%
Train	3,379	54.4%
Bus	2,576	41.5%
Walk	2,493	40.1%
Bicycle	2,340	37.7%
Carpool/Vanpool	367	5.9%
Other	187	3.0%
Telework	173	2.8%

In some cases more than one method of alternative transportation was taken, therefore totals exceed 100%.

The Car Free Day event was responsible for taking nearly 2,200 SOV's off the road as more than a third (37%) of participants stated they are not normally car free.

The majority of those who pledged (63%) reaffirmed themselves as part of the everyday traffic congestion/environmental solution and did so to be recognized for their positive efforts.

**Car Free Day 2009
Emission Impacts**

VMT	575,000	Daily Benefit		Annual Benefit	
		VOC	Nox	CO2	PM2.5
Factors		0.1836	0.4038	440	0.0115
Benefits		0.12	0.26	69,721	1.82
	60%	0.07	0.15	41,833	1.09

VOC and NOx numbers are daily tons; CO2 and PM2.5 are annual numbers

Nitrogen oxides (NOx) include various nitrogen compounds like nitrogen dioxide (NO₂) and nitric oxide (NO) which play an important role in the atmospheric reactions that create harmful particulate matter, ground-level ozone (smog) and acid rain. NOx forms when fuels are burned at high temperatures. Transportation vehicles are a major emissions source.

Volatile organic compounds (VOCs) are emitted as gases from certain solids or liquids. VOCs include a variety of chemicals, some of which may have short- and long-term adverse health effects.

Carbon dioxide (CO₂) is emitted in a number of ways. It is emitted naturally through the carbon cycle and through human activities like the burning of fossil fuels.

PM_{2.5} Fine Particulate Matter air quality standards defined by the EPA to designate areas as "attainment" (meeting) or "nonattainment" (not meeting).