morpc
Mid-Ohio Regional Planning Commission

State of the Region 2010

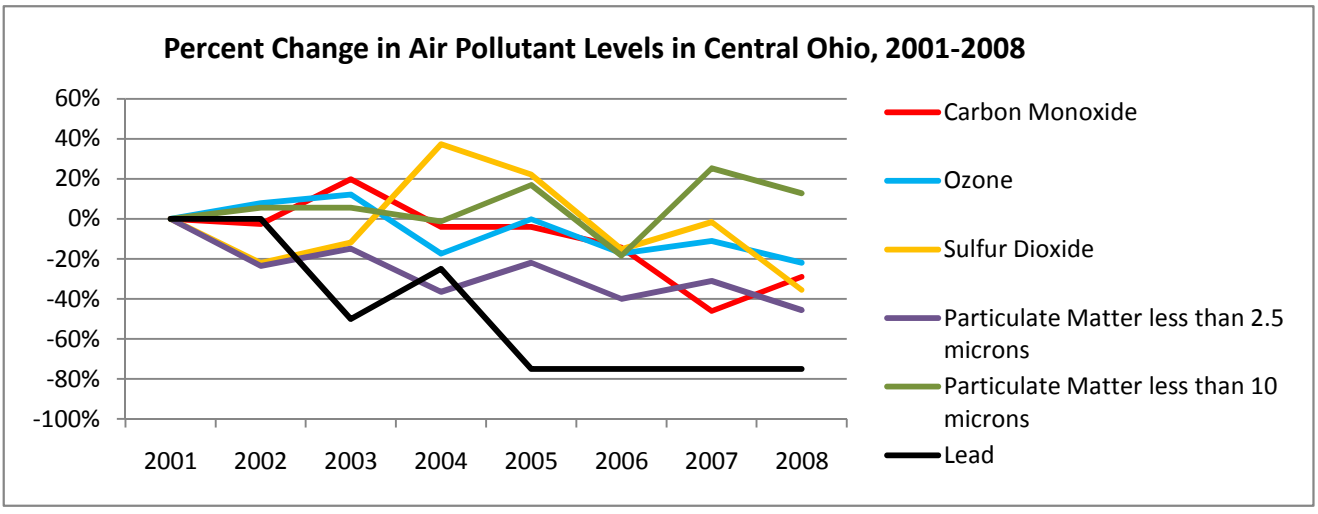
Issue: Place
Metric: Air Pollutant Emissions

In addition to monitoring overall air quality, the EPA measures levels of specific air polluting substances at 5 sites in central Ohio. The chart below shows the maximum levels measured during each year over 1-hour periods for 6 pollutant types.

Carbon monoxide, ozone, and sulfur dioxide are measured in parts per million (ppm). Particulate matter and lead are measured in milligrams per cubic meter. Maximum levels (either over a 10-hour period or a 24-hour period) are averaged between the various measurement sites.

All pollutant levels decreased significantly between 2001 and 2008 except for < 10-micron particulate matter, which has increased. This overall decrease is also reflected by the decrease in bad air quality days in central Ohio. Between 2007 and 2008, all pollutant levels decreased except for carbon monoxide, which increased by less than one ppm, and lead which remained the same.

Pollutant type	Annual Maximum Levels								% Change, 2001-2008
	2001	2002	2003	2004	2005	2006	2007	2008	
Carbon Monoxide (ppm, Maximum 1-hr level)	3.80	3.70	4.55	3.65	3.65	3.25	2.05	2.70	-28.9%
Ozone (ppm, Maximum 1-hour level)	0.11	0.12	0.13	0.09	0.11	0.09	0.10	0.09	-22.0%
Sulfur Dioxide (ppm, Maximum 1-hr level)	0.06	0.05	0.05	0.08	0.07	0.05	0.06	0.04	-35.6%
Particulate Matter less than 2.5 microns (µg per m^3, Max 24-hr level)	60.77	46.50	51.77	38.63	47.43	36.47	41.87	33.03	-45.6%
Particulate Matter less than 10 microns (µg per m^3, Max 24-hr level)	72.67	76.67	76.67	71.67	85.00	59.33	91.00	82.00	12.8%
Lead (µg per m^3, Maximum 24-hr level)	0.04	0.04	0.02	0.03	0.01	0.01	0.01	0.01	-75.0%



Source: Environmental Protection Agency