

# Air Quality Summary

## Youngstown–Warren: June 2011

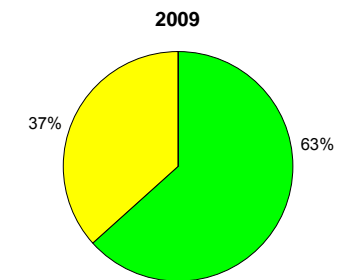
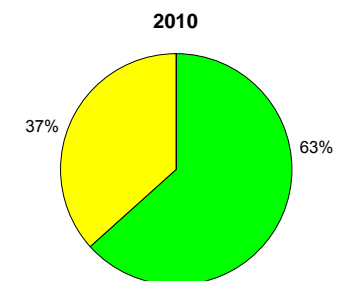
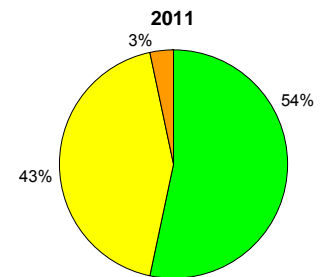
The average temperature in Youngstown for June 2011 was 66.9°F, which was 1.0°F above normal. This compares to an average temperature of 68.3°F in June 2010. In June 2011, 2.05 inches of rainfall was recorded in Youngstown, which was 1.86 inches below normal.

Air Quality Index (AQI) levels were reported in the Unhealthy for Sensitive Groups (USG) category on one day in June 2011, compared to zero days in June 2010 and June 2009. The highest AQI levels in June 2011 were observed on June 8. On this day, an upper-level ridge of high pressure was located over much of the eastern U.S.; this system limited vertical mixing in the atmosphere and trapped pollutants near the surface in the Mahoning Valley. The upper-level ridge also produced sunny skies with temperatures around 90°F across northeastern Ohio, which enhanced ozone formation. Finally, south-southwesterly winds transported moisture and pollutants into the Mahoning Valley, which increased particle production. The combination of these conditions resulted in USG AQI levels for ozone and Moderate AQI levels for particles.

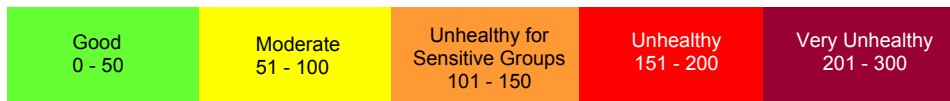
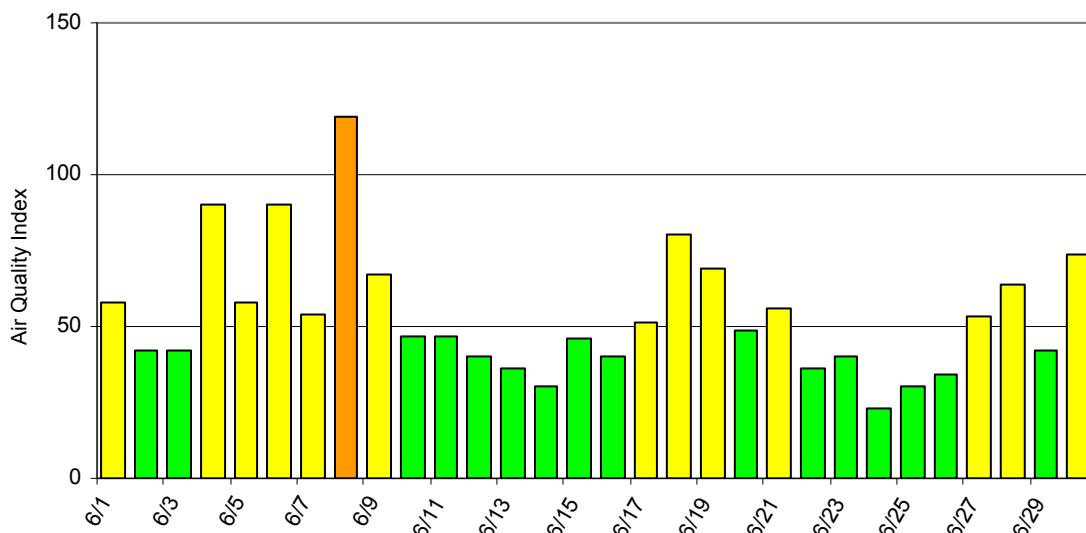
### Highest AQI Days This Month

DATE	AQI	POLLUTANT	MONITORING SITE
06/04/11	90	Ozone	Kinsman and Youngstown - Oakhill
06/06/11	90	Ozone	Trumbull County San. & Eng.
06/08/11	119	Ozone	Youngstown - Oakhill

### Maximum Daily AQI for the Month by Category



### Daily Maximum AQI for June 2011



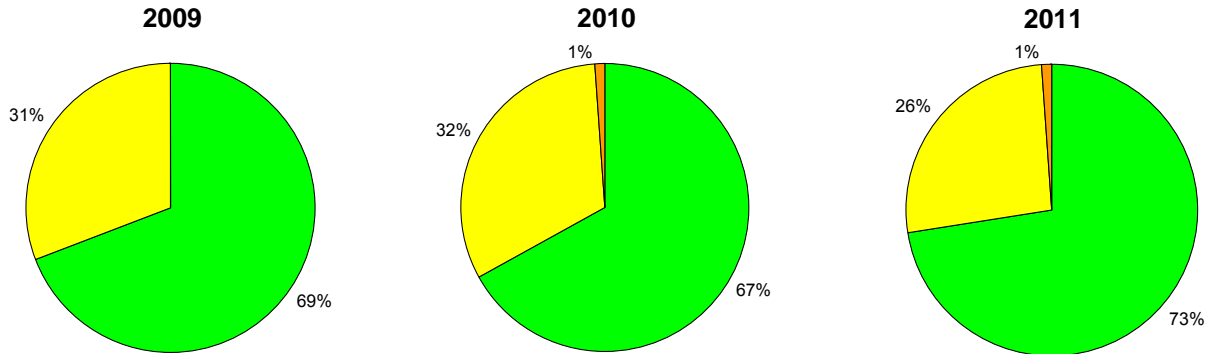
# Air Quality Summary

Youngstown–Warren: April 1 - June 30

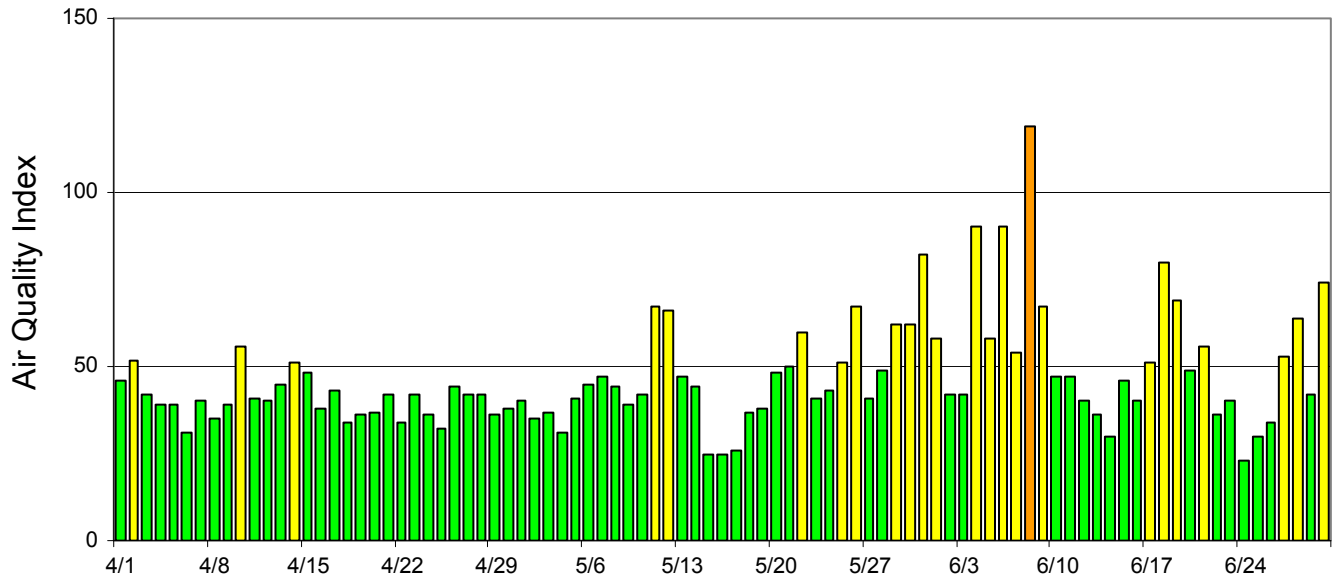
## Air Quality Advisory Days

DATE	POLLUTANT	NEXT-DAY FORECAST (AQI)	SAME-DAY FORECAST (AQI)	OBSERVED AQI
5/31/11	Ozone	104	104	82
6/8/11	Ozone	84	111	119

## Percentage of Days at Each AQI Level



## 2011 Daily Maximum AQI



Good  
0 - 50

Moderate  
51 - 100

Unhealthy for  
Sensitive Groups  
101 - 150

Unhealthy  
151 - 200

Very Unhealthy  
201 - 300



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