



► Changes in Ozone NAAQS

Impact on Kentucky

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February 9, 2016



STATE OF *Kentucky*

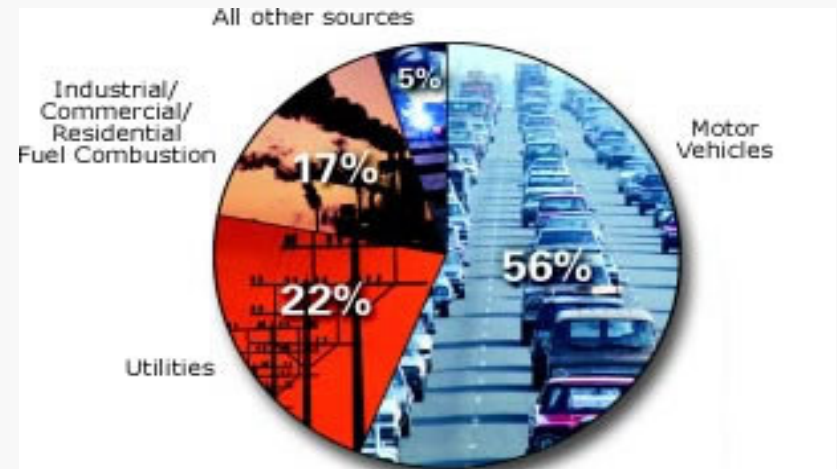
Sources of Ozone Precursors

NOx

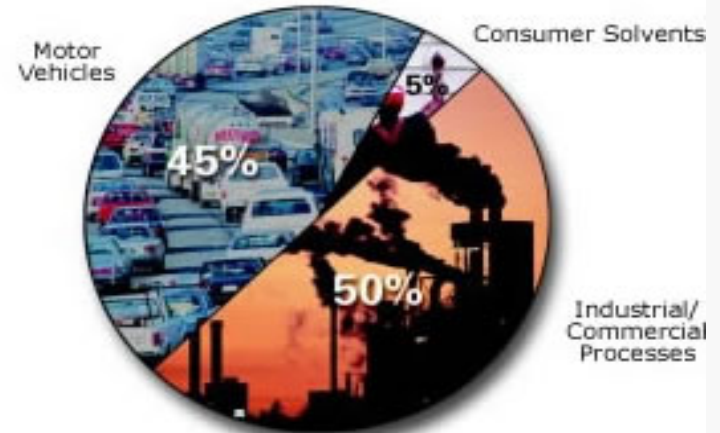
- **22% Utilities**
- 17% fuel combustion – **industrial**, commercial, residential
- **56% motor vehicles**

VOC

- 50% **Industrial**/commercial processes
- **45% motor vehicles**



Sources of NOx



Sources of VOC

▶ Section 109 of the CAA

- the attainment and maintenance of which (in the Administrator's judgement), based on such criteria and allowing an adequate margin of safety, are requisite to protect human health.
- Five year review schedule

▶ Page 2 of materials:
Correction – I left some zeros out.

Beginning in 1971, the standard was set at 0.080 parts per million, thirty years later the standard dropped to 0.075 parts per million in 2008 and further reduced to 0.070 ppm in 2015. While this does not seem like a large reduction, the impact is significant.

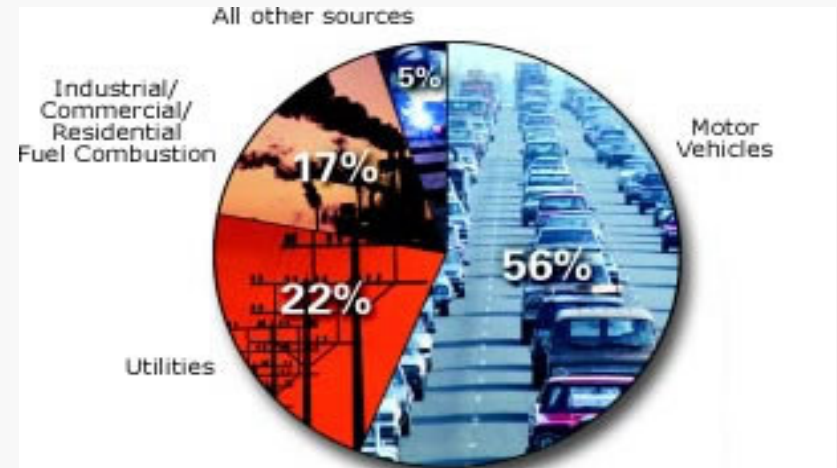
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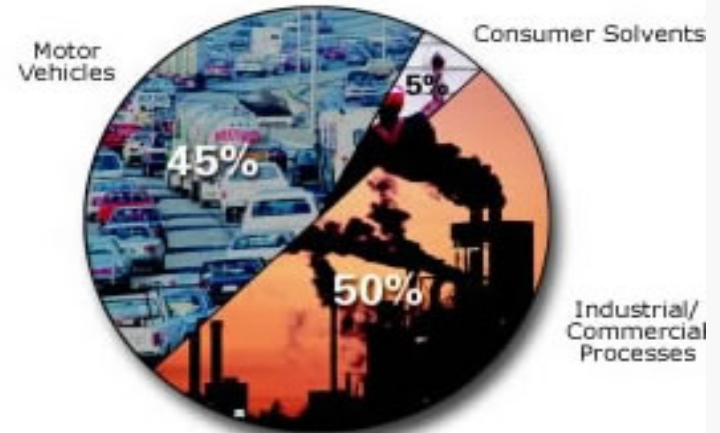
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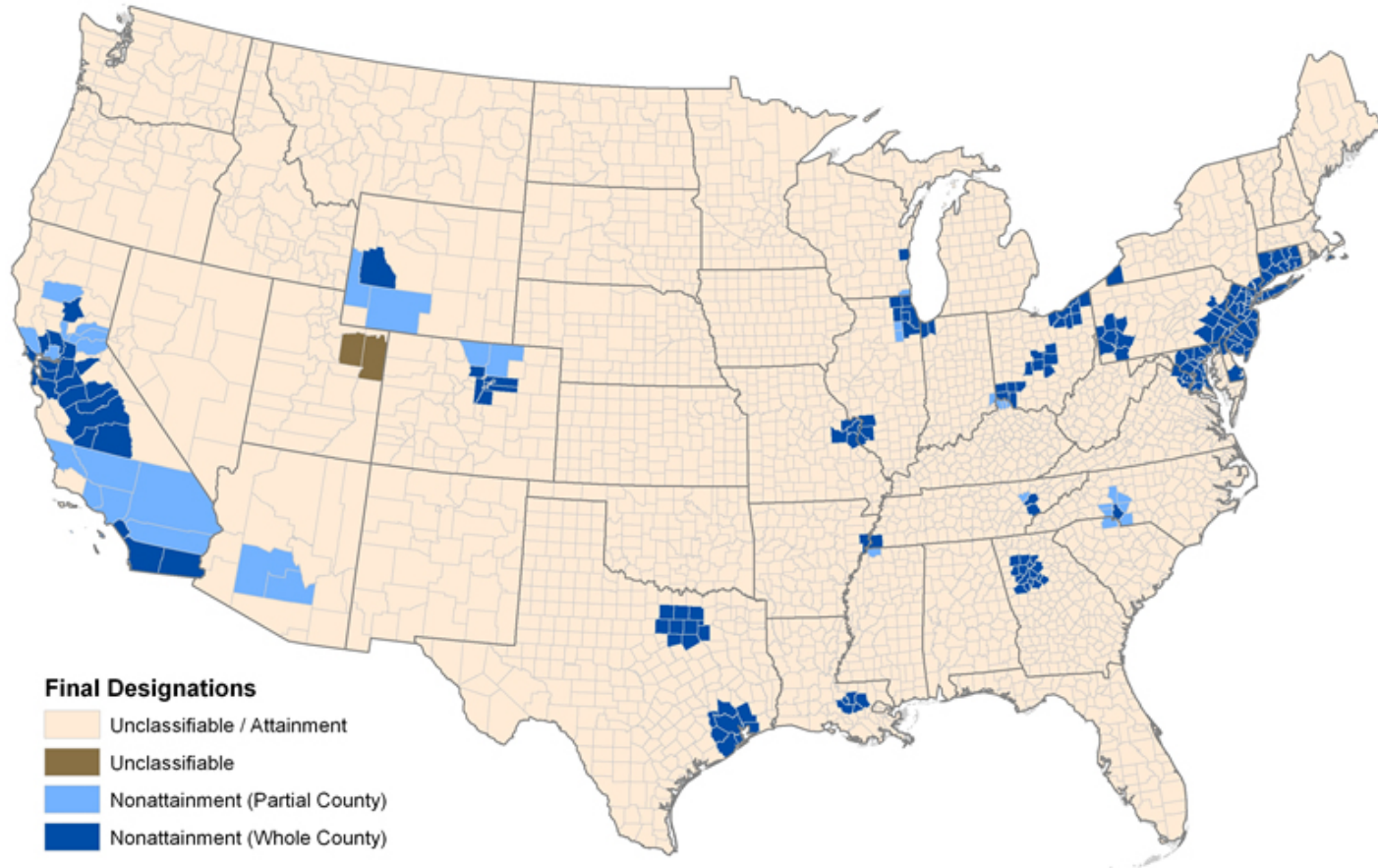


Sources of NOx



Sources of VOC

EPA Non-Attainment Designation 2008 Standard Ozone 0.075ppm



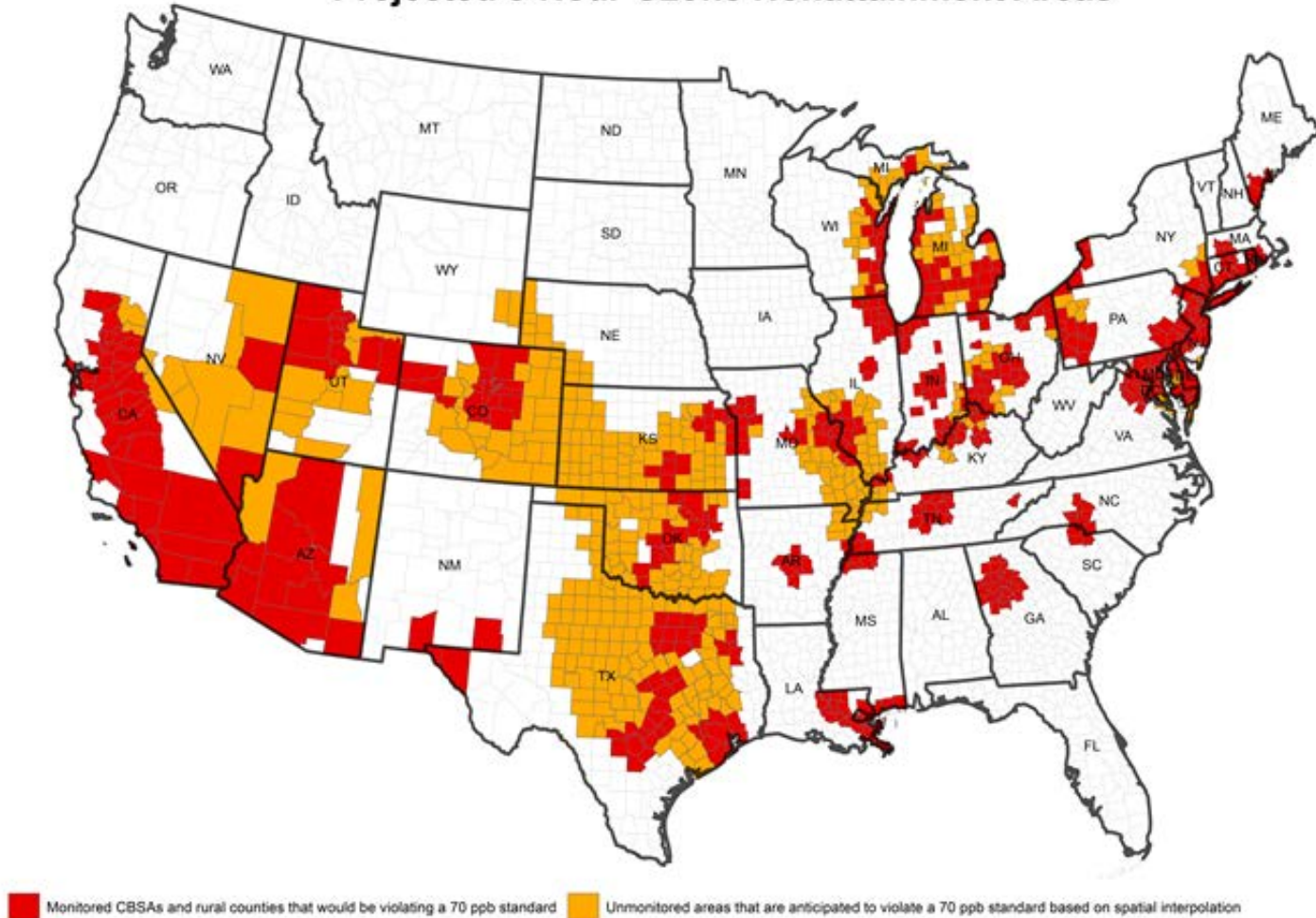
Notes:

EPA has not designated as nonattainment any areas outside the Continental US.

API Predictive Map - Non-Attainment Designation Ozone 0.070ppm



Projected 8-Hour Ozone Nonattainment Areas





▶ **THANK YOU**
from Smith Management Group

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