

Ozone NAAQS

Forest Products Industry Impacts

September 16, 2015

Potential Cost to Forest Products Industry of a Lower Ozone Standard

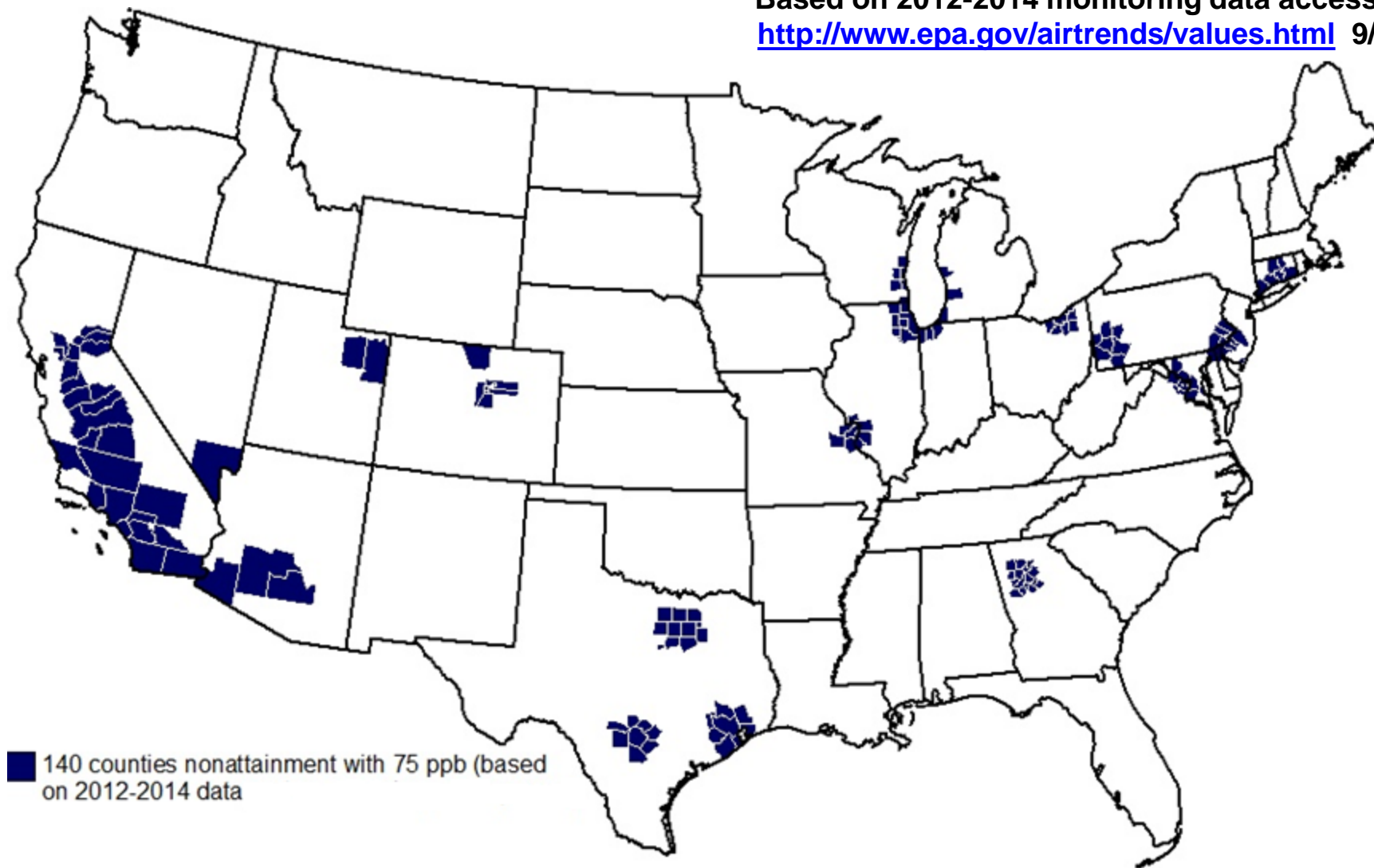
Estimated Cost*	NAAQS set at 70 ppb	NAAQS set at 68 ppb	NAAQS set at 65 ppb
Capital Cost	\$120 million	\$1.1 billion	\$2.9 billion
Annual Cost	\$70 million	\$274 million	\$990 million

*Assumes applying controls to facilities in/adjacent to future monitored nonattainment areas at 70 ppb or above (using 2012-2014 ozone data), and applying controls on a regional basis (to address transport) at levels below 70 ppb, similar to EPA's RIA approach. Stringency/cost of controls increases as ozone standard decreases.

**EPA's RIA estimates 360k tons NO_x reductions needed from non-EGU point sources at 70 ppb and 1200k tons NO_x reductions needed from non-EGU point sources at 65 ppb. 43% of NO_x controls in the RIA are "unknown" at the 65 ppb level. Forest Products reductions would be <10% of the total.

Presumptive Nonattainment Areas For an Ozone Standard Set At 75 PPB

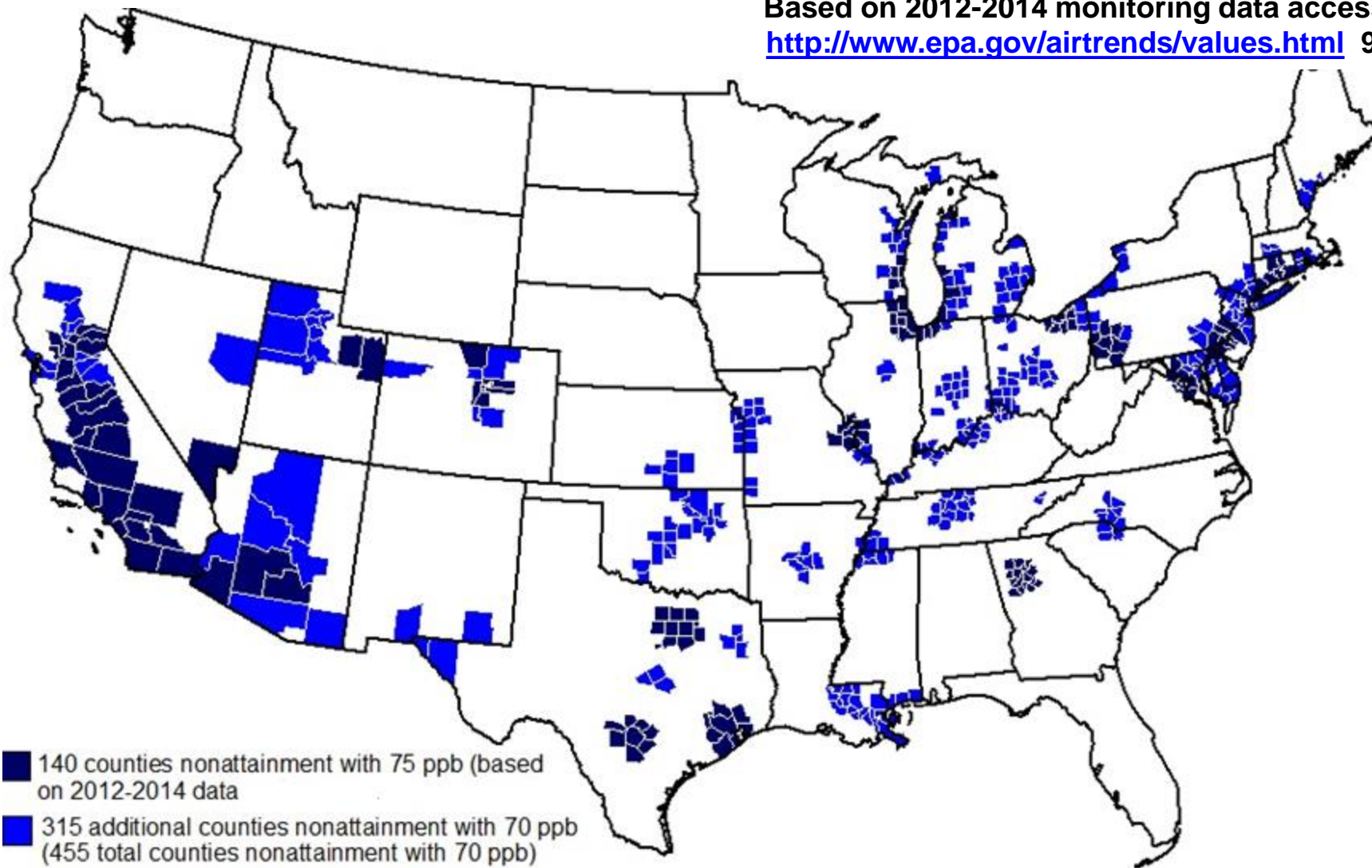
Based on 2012-2014 monitoring data accessed from <http://www.epa.gov/airtrends/values.html> 9/10/2015



Nonattainment area boundaries for the 2015 O₃ standard are presumed to follow Core-Based Statistical Area (CBSA) outlines

Presumptive Nonattainment Areas For an Ozone Standard Set At 70 PPB

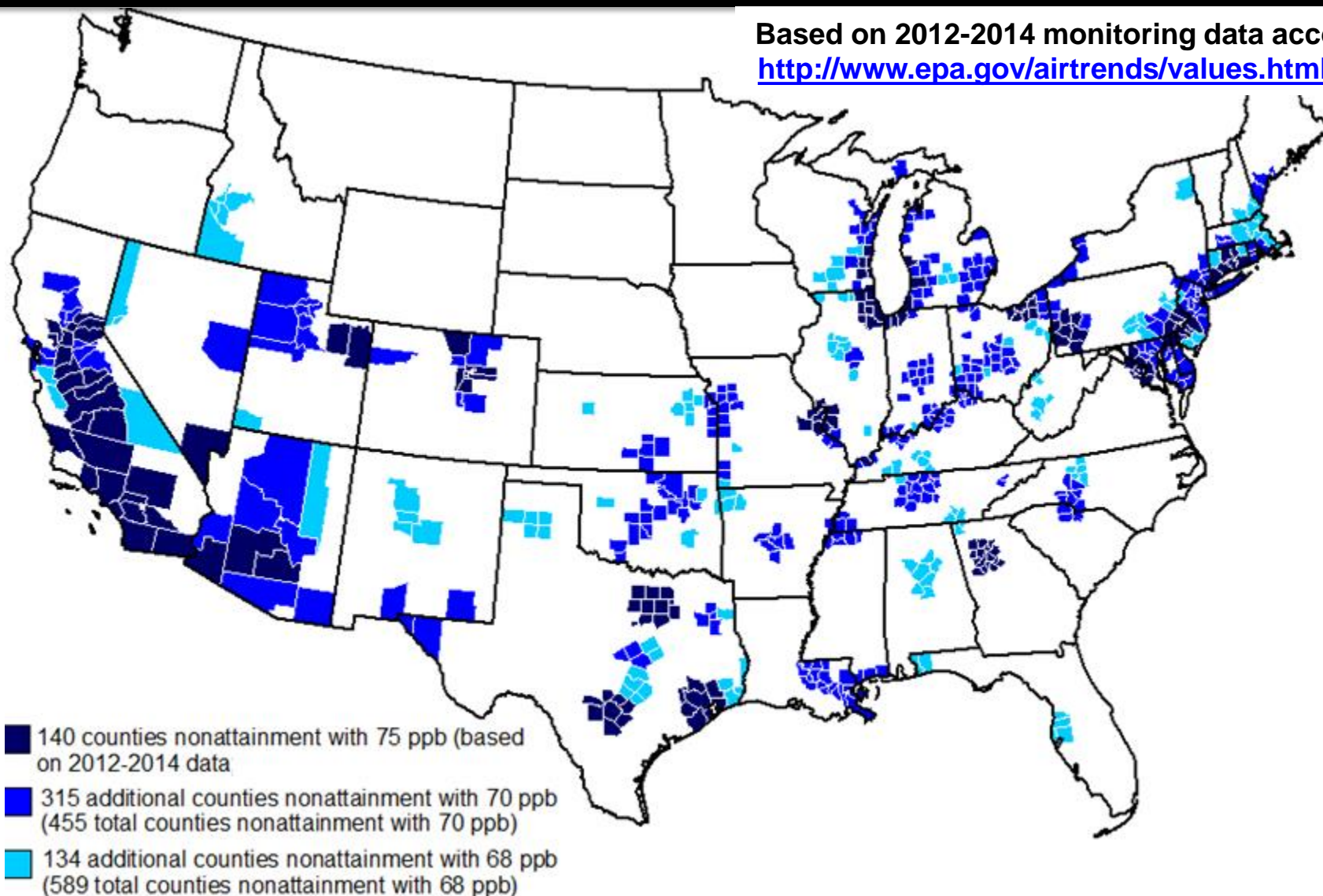
Based on 2012-2014 monitoring data accessed from
<http://www.epa.gov/airtrends/values.html> 9/10/2015



Nonattainment area boundaries for the 2015 O₃ standard are presumed to follow Core-Based Statistical Area (CBSA) outlines

Presumptive Nonattainment Areas For an Ozone Standard Set At 68 PPB

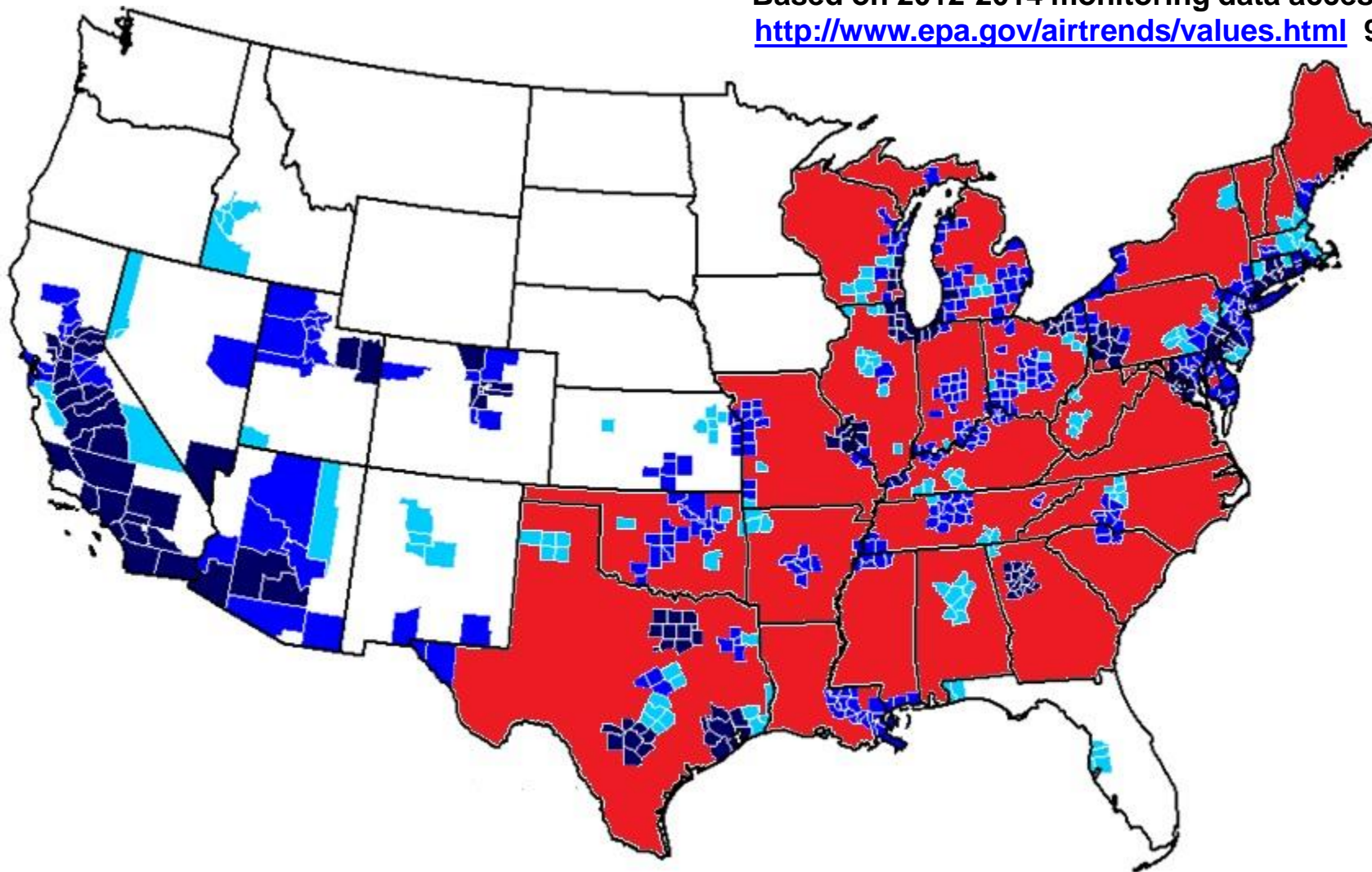
Based on 2012-2014 monitoring data accessed from <http://www.epa.gov/airtrends/values.html> 9/10/2015



Nonattainment area boundaries for the 2015 O₃ standard are presumed to follow Core-Based Statistical Area (CBSA) outlines

Areas Covered by NA and Regional Control Strategy to Meet Standards Set Below 70 PPB

Based on 2012-2014 monitoring data accessed from <http://www.epa.gov/airtrends/values.html> 9/10/2015



Nonattainment area boundaries (in blue) for the 2015 O3 standard are presumed to follow Core-Based Statistical Area (CBSA) outlines. Additional red counties are affected by a regional control strategy.

Forest Products Facility Locations and Counties That Are Above A 68 PPB Standard Or In An Anticipated Regional Control Strategy

Based on 2012-2014 monitoring data accessed from
<http://www.epa.gov/airtrends/values.html>

