

# **ADVANCE**



A U.S. Environmental Protection Agency Program

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# What is the Advance Program?

The Advance Program is a collaborative effort by EPA, states, tribes, and local governments to encourage emission reductions in attainment areas, to help them continue to meet the National Ambient Air Quality Standards (NAAQS) for ozone and PM<sub>2.5</sub>. Ozone Advance began in April 2012; PM Advance began in January 2013.

## Program Goals:

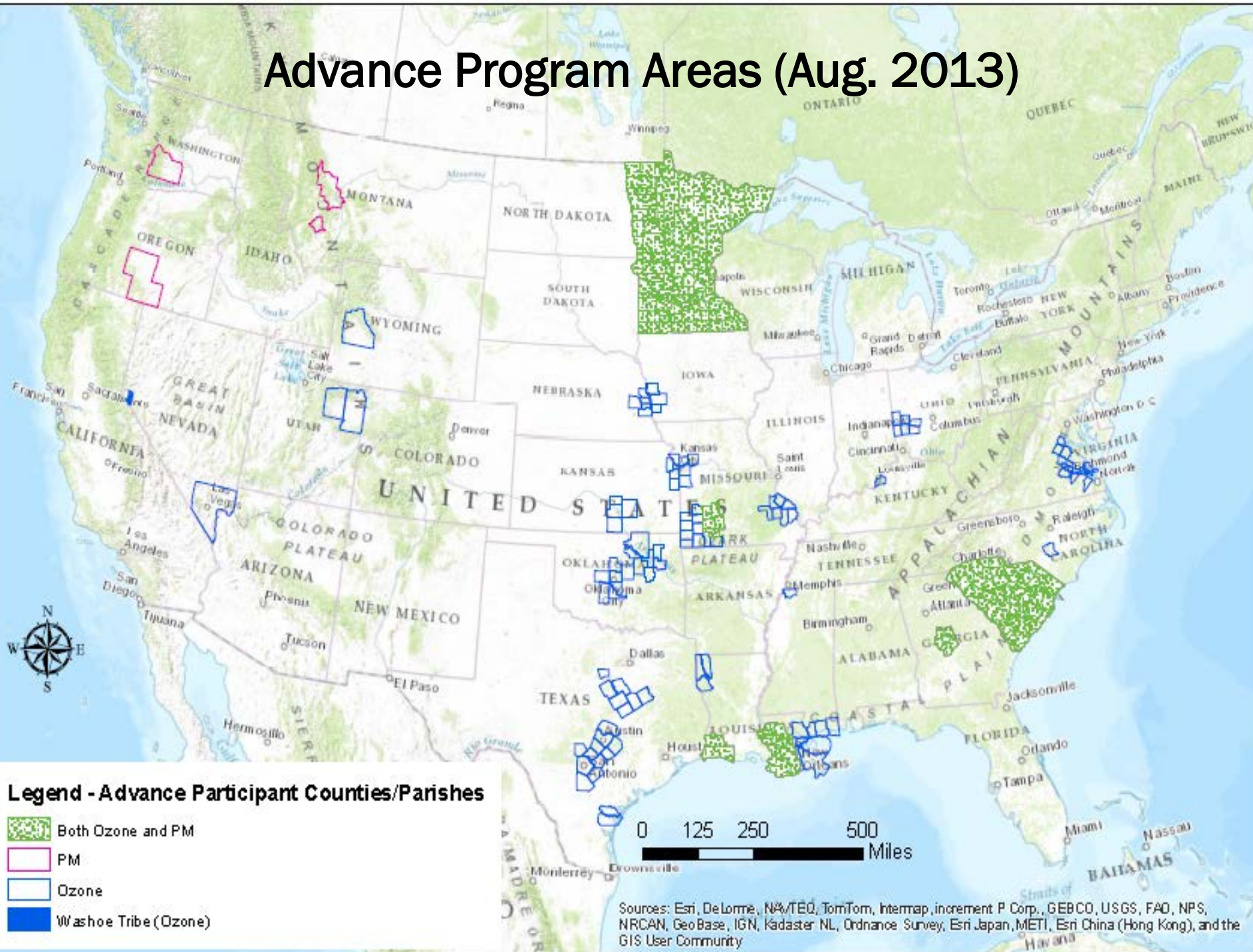
- (1) Help attainment areas to ensure continued health protection
- (2) Better position areas to remain in attainment
- (3) Efficiently direct available resources toward actions to address ozone and PM problems quickly

# Why Should Attainment Areas Work to Improve Air Quality?



- Ensure continued & improved **health** protections
- **Proactive**
  - Could provide needed reductions to bring the area back into compliance and to stay in attainment
  - If eventually designated nonattainment, could (1) provide needed reductions that could result in a lower classification (ozone) and/or (2) feed into a future state implementation plan (SIP)
- Multi-pollutant **co-benefits**
- **Less resource intensive** to implement measures early

# Advance Program Areas (Aug. 2013)



**Legend - Advance Participant Counties/Parishes**

- Both Ozone and PM
- PM
- Ozone
- Washoe Tribe (Ozone)

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community

# Current Participants (Sept. 2013)

DE	Entire State (except New Castle County)	Delaware Dept. of Natural Resources and Environmental Control
GA	Macon (except Bibb County and part of Monroe County for PMA)	Middle Georgia Clean Air Coalition
KS	Wichita	City of Wichita
KY	Louisville	Louisville Metro Air Pollution Control District
LA	Baton Rouge Houma-Thibodeaux Lafayette Lake Charles New Orleans Shreveport	Capital Region Planning Commission; Baton Rouge Clean Air Coalition South Central Planning & Development Commission Lafayette Consolidated Government Imperial Calcasieu Regional Planning & Development Commission New Orleans Regional Planning Commission Cities of Shreveport and Bossier City; Caddo Parish Commission; Bossier and DeSoto Parish Police Juries
MN	Entire State	Minnesota Pollution Control Agency
MO/KS	Kansas City	Mid-America Regional Council Air Quality Forum
MO	Southeast MO Springfield	Southeast Missouri Regional Planning & Economic Development Commission City of Springfield; Ozarks Transportation Organization; Ozarks Clean Air Alliance
MS	DeSoto County Gulf Coast	Mississippi Dept. of Environmental Quality; DeSoto County Mississippi Dept. of Environmental Quality; Gulf Regional Planning Commission
MT	Butte-Silver Bow Helena	Montana Dept. of Environmental Quality; City County of Butte-Silver Bow Montana Dept. of Environmental Quality; Lewis and Clark County
NC	Cumberland County	Cumberland County Board of Commissioners
NE/IA	Omaha	City of Omaha Public Works, Air Quality Control; Douglas County Health Dept.; Omaha Council Bluffs Metropolitan Area Planning Agency

## KEY

Green = both Ozone and PM Advance

Blue = Ozone Advance

Red = PM Advance

# Current Participants (continued)

NV/CA	Washoe Tribal Lands	Washoe Tribe of NV/CA Environmental Protection Dept.
NV	Clark County	Clark County Dept. of Air Quality
OH	Dayton-Springfield	Regional Air Pollution Control Agency
OK	Oklahoma City Tulsa	Oklahoma Dept. of Environmental Quality Oklahoma Dept. of Environmental Quality
OR	Lakeview	Oregon Dept. of Environmental Quality; Lake County; Town of Lakeview
SC	Entire State (except part of York County for OA)	South Carolina Dept. of Health and Environmental Control
TX	Austin Corpus Christi Hood County Houston San Antonio Waco	Central Texas Clean Air Coalition Corpus Christi Air Quality Group Hood County Clean Air Coalition Houston-Galveston Area Council Alamo Area Council of Governments, Air Improvement Resources Committee Heart of Texas Council of Governments
UT	Uinta Basin Uintah and Ouray Reserva.	State of Utah Ute Indian Tribe
VA	Caroline County Fredericksburg Hampton Roads Richmond-Petersburg	Virginia Dept. of Environmental Quality Virginia Dept. of Environmental Quality Virginia Dept. of Environmental Quality Virginia Dept. of Environmental Quality
WA	Yakima	Yakima Regional Clean Air Agency
WY	Upper Green River Basin	Wyoming Dept. of Environmental Quality

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and PM Advance

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# What Does Participation Entail?

- We encourage areas to use their best efforts to move quickly toward implementing steps that may reduce ozone precursor and/or PM<sub>2.5</sub> emissions and increase public awareness
- We ask the area to develop a “path forward” within a year of sign up (the sooner the better!)
- Implement the path forward measures/programs as soon as possible is key to success; update plan as needed periodically
- Informal status check-ins

# How is EPA Helping the Participants?

- Fostering communication
- Web resources  
([epa.gov/ozonepmadvance](http://epa.gov/ozonepmadvance))
- Webinars
- Other support





# What Measures/Programs are Advance Areas Pursuing?

- **Awareness/education**
  - For example, establishing air quality flag programs and anti-idling programs at schools, reaching out to radio/print/social media.
- **Voluntary**
  - For example, ridesharing programs, residential energy audits
- **Mandatory**
  - For example, state/local open burning rules/ordinances
- Short term and longer term
- Address a variety of sources

# Examples (Awareness; Voluntary; Mandatory)

- Cumberland County, NC
  - Outreach at schools, community events; providing energy consumption reports at local military base; air quality poster contest
  - Converting street lights to LED; energy efficiency projects in government buildings; add public transit options; implement new commuting programs at local university
  - Enforce city-owned vehicle idle reduction and energy efficiency building code; amend zoning ordinance to add density and mixed-use development
- Oklahoma City, OK
  - Enhancing air quality advisory program; outreach at community events
  - State tax credits /loans for alternative fuel vehicles; encouraging oil/gas companies to meet Federal new tank regulations sooner than required; energy efficiency programs for residences and city buildings; free public transit during ozone season (1x/week)
  - Expanding open burning restrictions
- Hood County, TX
  - Public service ads, website
  - Measures to reduce VMT and improve traffic flow; residential/commercial energy audits
  - Considering adoption of State anti-idling rule

# More Information:



**[www.epa.gov/ozoneadvance](http://www.epa.gov/ozoneadvance)**

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