

PM Advance

Webinar, November 29, 2012

U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards

Overview

- ▶ What is the Advance program?
- ▶ Ozone Advance
- ▶ PM Advance
- ▶ Why should attainment areas care about reducing PM?
- ▶ PM_{2.5} National Ambient Air Quality Standards (NAAQS)
- ▶ Will we avoid a future nonattainment designation if we sign up for PM Advance?
- ▶ How would the timing of PM Advance relate to the timing of designations for any revised 2012 PM_{2.5} NAAQS?
- ▶ Draft PM Advance Guidance
 - ▶ Who can participate?
 - ▶ What are the eligibility criteria for joining the program?
 - ▶ What would participation involve?
 - ▶ How does it differ from the Ozone Advance guidance?
- ▶ How might you benefit from participating in PM Advance?
- ▶ What areas might be good candidates for PM Advance?
- ▶ Where can I get more information and submit comments?
- ▶ Questions

What Is the Advance Program?

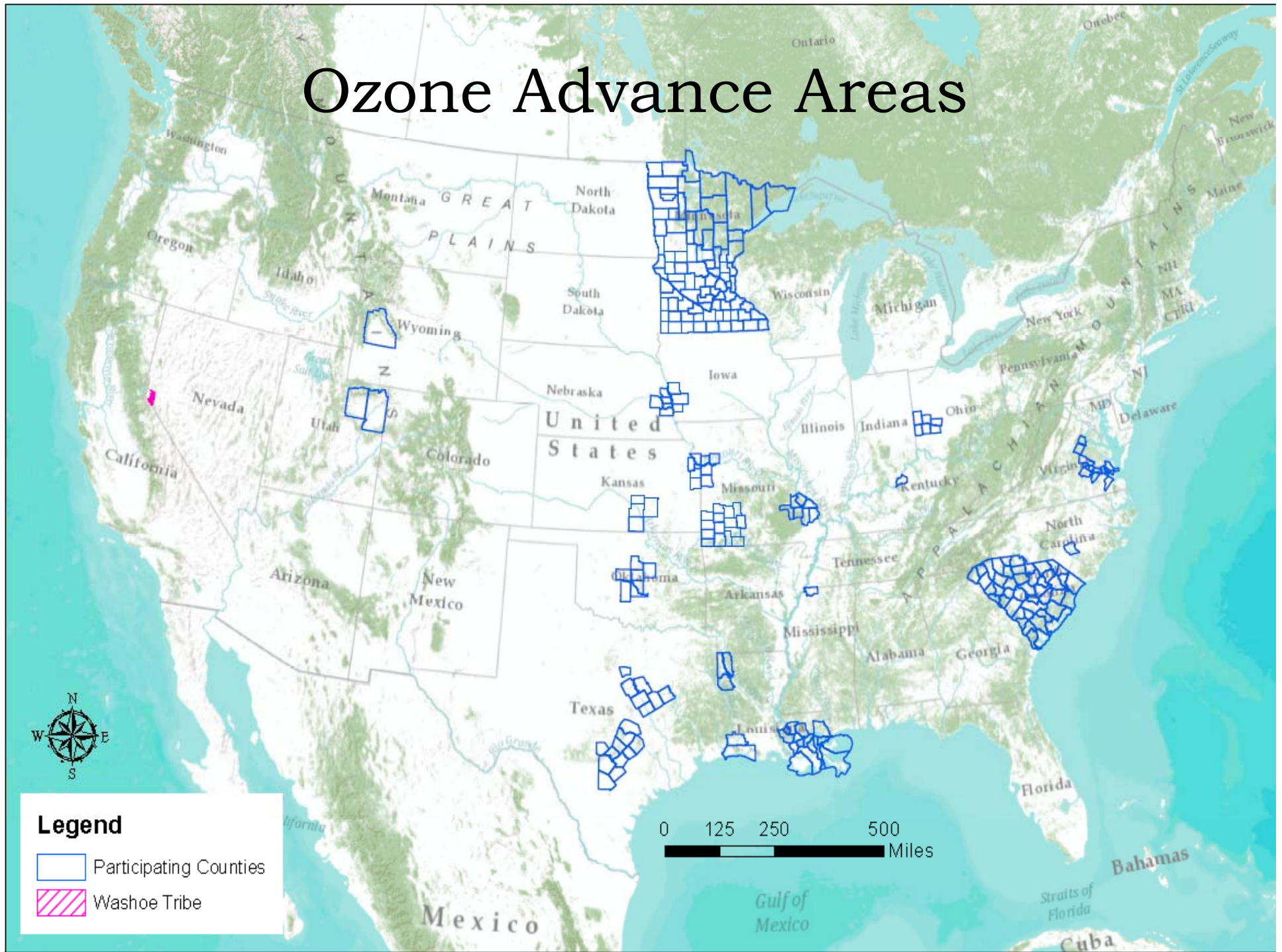
The Advance Program is a collaborative effort by EPA, states, tribes, and local governments to encourage emission reductions in **attainment** areas for certain pollutants, to help the areas continue to meet the National Ambient Air Quality Standards (NAAQS).

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 air quality problems quickly



Ozone Advance Areas



Ozone Advance Areas/Participants

- ▶ KS Wichita (**City of Wichita**)
- ▶ KY Jefferson County (**Louisville Metro Air Pollution Control District**)
- ▶ LA Baton Rouge (**Capital Regional Planning Commission, Baton Rouge Clean Air Coalition**)
- ▶ LA New Orleans (**Regional Planning Commission**)
- ▶ LA Shreveport, (**City of Shreveport, City of Bossier City, Caddo Parish Commission, Bossier Parish Police Jury, DeSoto Parish Police Jury, Northwest Louisiana Council of Governments**)
- ▶ LA South Central Louisiana (**South Central Planning & Development Commission**)
- ▶ LA Southwest Louisiana (**Imperial Calcasieu Regional Planning & Development Commission**)
- ▶ MN Entire State (**Minnesota Pollution Control Agency**)
- ▶ MO/KS Kansas City (**Mid-America Regional Council Air Quality Forum**)
- ▶ MO Southeastern Missouri (**Southeast Missouri Regional Planning & Economic Development Commission**)
- ▶ MO Springfield (**City of Springfield, Missouri, Ozarks Transportation Organization, Ozarks Clean Air Alliance**)
- ▶ MS DeSoto County (**Mississippi DEQ**)
- ▶ [MS Gulf Coast (**Mississippi DEQ, Gulf Regional Planning Commission**) CURRENTLY PROCESSING THIS APPLICATION]
- ▶ NE/IA Omaha (**City of Omaha Public Works Air Quality Control, Douglas County Health Dept., and Omaha Council Bluffs Metropolitan Area Planning Agency**)
- ▶ NV/CA Washoe Tribal Lands (**Washoe Tribe of NV/CA**)
- ▶ NC Cumberland County (**Cumberland County Board of Commissioners**)
- ▶ OH Dayton-Springfield, (**Regional Air Pollution Control Agency**)
- ▶ OK Oklahoma City (**Oklahoma DEQ**)
- ▶ OK Tulsa (**Oklahoma DEQ**)
- ▶ SC Entire State, with the exception of the portion of York County that is nonattainment for the 1997 standard) (**South Carolina DHEC**)
- ▶ TX Hood County (**Hood County Clean Air Coalition**)
- ▶ TX Austin-Round Rock-San Marcos (**Central Texas Clean Air Coalition**)
- ▶ TX San Antonio (**Air Improvement Resources Committee of the Alamo Area Council of Governments**)
- ▶ TX Waco (**Heart of Texas Council of Governments**)
- ▶ UT Uintah Basin (**Utah DEQ**)
- ▶ VA Caroline County (**Virginia DEQ**)
- ▶ VA Fredericksburg (**Virginia DEQ**)
- ▶ VA Hampton Roads (**Virginia DEQ**)
- ▶ VA Richmond-Petersburg, (**Virginia DEQ**)
- ▶ WY Upper Green River Basin (**Wyoming DEQ**)

PM Advance



- ▶ PM Advance is currently under development; will become a new component of the broader Advance program
- ▶ Draft guidance went to external reviewers on Nov. 7; comments due Dec. 10 to ADVANCE@epa.gov. Send a note to ADVANCE@epa.gov if you would like a copy but have not received one yet!
- ▶ Expect official PM Advance kickoff will occur in Jan. 2013
- ▶ Focus on $PM_{2.5}$ standards
- ▶ Areas that choose to participate in both PM and Ozone Advance can pursue one multipollutant effort (rather than two separate efforts)

Why Should Attainment Areas Care About Reducing PM?

- ▶ Ensure continued **health** protection
- ▶ **Proactive**
 - ▶ Could better position some areas to avoid a nonattainment designation
 - ▶ If eventually designated, could provide reductions that could feed into a SIP
 - ▶ Designations for 2012 PM standard will take a couple of years; in the meantime projected PM nonattainment areas can begin addressing violating PM levels
- ▶ **Less resource intensive** to put measures in place now than to comply with nonattainment requirements
- ▶ **More flexibility** to pursue a wide range of options now than after a nonattainment designation occurs
- ▶ **Multi-pollutant co-benefits**
- ▶ Increased **public awareness; stakeholder group formation**

PM_{2.5} National Ambient Air Quality Standards (NAAQS)

- ▶ **Current standards**
 - ▶ ANNUAL = 15 micrograms per cubic meter (set in 1997)
 - ▶ DAILY/24-hr = 35 micrograms per cubic meter (set in 2006)
- ▶ **2012 revised standard?**
 - ▶ Final rule by Dec. 14, 2012
 - ▶ Proposal indicated the ANNUAL standard could be revised to a level within the range of 12-13 micrograms per cubic meter
- ▶ **PM Advance will reflect whatever the PM_{2.5} standards are following the final rule**

The Burning Question. . .



- ▶ Will signing up for PM Advance mean that my area will avoid a nonattainment designation?
- ▶ Signing up for PM Advance will **NOT** guarantee that your area will avoid future designations.
 - ▶ However, taking robust, expeditious actions could help some areas clean up their air quality enough to affect designations.
 - ▶ Areas that are eventually designated can also benefit from early actions taken to reduce PM.



Timing

(Current as of Nov. 2012; Dates Tentative)

PM Advance

January 2013:

Program begins, areas start to sign up

Late 2013/early 2014: Decisions on “paths forward,” begin implementation of measures/programs

PM_{2.5} NAAQS

Dec. 2012:

Final 2012 PM_{2.5} NAAQS, including any revision of the NAAQS determined necessary

Dec. 2013:

State recommendations for 2012 PM_{2.5} NAAQS designations

Dec. 2014 (effective early 2015):

Final designations for any revised 2012 PM_{2.5} NAAQS

Early 2016:

State Infrastructure SIPs due for any revised 2012 PM_{2.5} NAAQS

2018:

Attainment SIPs due for any revised 2012 PM_{2.5} NAAQS

2020-2025:

Attainment dates for any revised 2012 PM_{2.5} NAAQS



Draft PM Advance Guidance

Who Can Participate?

- States, tribes, local governments (S/T/L)
- Councils of Government (COGs), Planning Commissions
- Other stakeholders, in conjunction with any of the above

What Are the Eligibility Criteria for Joining the Program?

- Area must not be nonattainment for the 1997 or (if any) 2012 annual $PM_{2.5}$ NAAQS, the 2006 24-hour $PM_{2.5}$ NAAQS, and/or any future revised $PM_{2.5}$ NAAQS at the time the S/T/L(s) is/are accepted into the program.
 - Maintenance areas
 - Projected nonattainment areas
- S/T/L should generally identify the area (e.g. name the counties)
- S/T/L should identify the monitor(s) that reflect the area's air quality
- Required emissions inventory reporting should be complete

Draft PM Advance Guidance (cont.)

What Would Participation Involve?

- Use best efforts to move quickly toward implementing steps that may reduce PM levels and increase public awareness
- Develop a “path forward” within a year of sign up (the sooner the better!)
- Implement path forward measures/programs as soon as possible
- Informal status check-ins at least annually



Draft PM Advance Guidance (cont.)

How Does It Differ From the Ozone Advance Guidance?

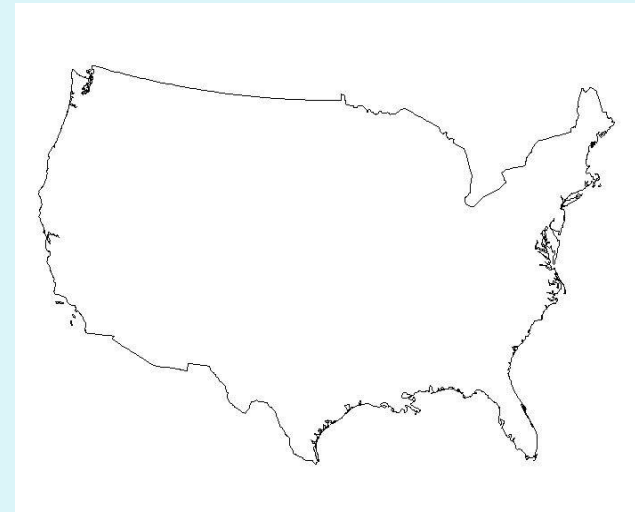
- Eligibility criteria focus on PM_{2.5} standards (rather than ozone)
- No classifications for PM_{2.5} nonattainment areas
 - Means that once an area is designated nonattainment for PM_{2.5}, it cannot join the program OR if the area is already participating, its work would transition into required planning efforts
 - Ozone Advance allows areas that signed up prior to designation (Marginal classification) to continue to participate as long as not reclassified to a higher classification
 - Projected PM_{2.5} nonattainment areas **SHOULD** consider participating, though! Designations for any revised 2012 NAAQS would not occur until Dec. 2014.

How Might You Benefit From Participating in PM Advance?

- EPA assistance
- Rallying point for public/stakeholder awareness and involvement
- Multipollutant emphasis
- Possible recognition
- Possible DERA grant preference (2013 RFP under development)
- Opportunity to highlight measures/programs already underway along with those undertaken as part of Program
- Stakeholder group formation, engagement

Possible PM Advance Candidates

- ▶ Attainment areas hovering above or below either of the $PM_{2.5}$ standards (annual or 24-hour)
- ▶ Areas with PM issues driven by a specific source (for example, areas that are especially impacted by residential wood smoke)
- ▶ Ozone Advance participants



For More Information. . .

At program kickoff, we will launch a new PM Advance site -
www.epa.gov/PMAdvance

In the meantime, see related Ozone Advance site -
www.epa.gov/OzoneAdvance

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[Send comments on the draft PM Advance guidance to: ADVANCE@epa.gov](mailto:ADVANCE@epa.gov)

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