



# OAQPS

Office of Air Quality Planning and Standards

## Ozone Flex Program (..that will be renamed)

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# Contacts

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# What do we want to do?

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- ▶ Work with areas designated attainment
- ▶ Create an opportunity to make progress and reduce emissions for areas to remain in attainment in the future
- ▶ Re-issue Existing Ozone Flex Guidance with streamlined program elements
  - ▶ No annual reporting
  - ▶ Expanded participation
  - ▶ Release revised memo in December



## Why Should Near-Nonattainment Areas Be Interested in Doing Something to Reduce Ozone?

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- ▶ Protects health
- ▶ Cheaper to put measures in place now than to deal with nonattainment requirements
- ▶ Proactive
  - ▶ Could better position some areas to avoid a nonattainment designation after 2014 review
  - ▶ If eventually designated, could result in a lower classification
- ▶ EPA could use its discretion not to redesignate areas violating in 2011 to nonattainment
- ▶ Program framework and opportunity to collaborate with EPA
- ▶ Multipollutant co-benefits
- ▶ Stakeholder group formation
  
- ▶ **This program responds to state/local government concerns about how to stay out of nonattainment.**

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# Existing Ozone Flex Program

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- ▶ EPA works with interested attainment areas to get ozone reduction measures in place quickly
- ▶ Program provides a framework for local actions to maintain/improve air quality
- ▶ Reductions may result in an area avoiding nonattainment or a higher classification
- ▶ Program does NOT establish any new requirements and it does NOT defer/avoid any existing requirements

# Existing Ozone Flex Program, cont'd

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- ▶ Enrollment at any time; no deadline for participation
- ▶ Letter of intent, MOA, (EPA, state/tribe, local community), annual reports
- ▶ Emissions inventory needed, modeling encouraged
- ▶ Generally commitments are for a five-year term, with option to renew
- ▶ 1-Hour Ozone Flex program offered in 2001; 8-Hour program offered in 2006



# Experience With Existing Program

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## ▶ Who participated?

### ▶ **1 hour program (2001)-5 areas**

Corpus Christi, TX

Tulsa, OK

Shreveport-Bossier City, LA

Austin-San Marcos, TX

Little Rock, AR

### ▶ **8 hour program (2006)-4 areas**

Corpus Christi, TX

Oklahoma City

Austin-Round Rock, TX

Tulsa, OK

## ▶ What did they achieve?

▶ All areas stayed in attainment (1997 standard)

▶ 8 hour areas are still active today

▶ Implemented a variety of measures such as commuting programs, ozone action day programs, low VOC roadway materials, alternative fuels for non-aircraft vehicles, diesel idling and retrofit programs

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# Feedback to Date

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- ▶ EPA should offer ozone flex again, even if few areas participate
- ▶ Local areas may be interested but Regions/states have limited resources
- ▶ Many areas may prefer to wait until the threat of nonattainment is more imminent
- ▶ Many areas will want funds, regulatory relief, and guarantees that measures begun during the Program are SIP creditable
- ▶ Some areas that are new to ozone problems may choose to work collaboratively with EPA, especially if we offer technical or other support and recognition



# Appendix

## 2008-10 DVs Between .060-.074ppm (270 areas)

Hypothetical area name	2008-10 DV std65	area type
Allegan Co, MI	0.074	NAA
Asheville-Brevard, NC	0.074	CSA
Caswell County, NC	0.074	County
Door Co, WI	0.074	NAA
Graham County, NC	0.074	County
Hagerstown-Martinsburg, MD-WV	0.074	CBSA
Harrisburg-Lebanon-Carlisle, PA	0.074	NAA
Indianapolis, IN	0.074	NAA
Kansas City-Overland Park-Kansas City, MO-KS	0.074	CSA
Longview-Marshall, TX	0.074	CSA
Macon, GA	0.074	NAA
Madison and Page Cos (Shenandoah NP), VA	0.074	NAA
Manitowoc Co, WI	0.074	NAA
Mobile-Daphne-Fairhope, AL	0.074	CSA
Parkersburg-Marietta, WV-OH	0.074	NAA
Payson, AZ	0.074	CBSA
Sarasota-Bradenton-Punta Gorda, FL	0.074	CSA
Steubenville-Weirton, OH-WV	0.074	NAA
Toledo, OH	0.074	NAA
York, PA	0.074	NAA
Yuma, AZ	0.074	CBSA
Albany-Schenectady-Troy, NY	0.073	NAA
Athens-Clarke County, GA	0.073	CBSA
Berlin, NH-VT	0.073	CBSA
Bishop, CA	0.073	CBSA
Erie, PA	0.073	NAA
Evansville, IN	0.073	NAA
Greene Co, PA	0.073	NAA
Haywood and Swain Cos (Great Smoky NP), NC	0.073	NAA
Jefferson Co, NY	0.073	NAA
Lafayette-Acadiana, LA	0.073	CSA
Murray Co (Chattahoochee Nat Forest), GA	0.073	NAA
Norfolk-Virginia Beach-Newport News (HR), VA	0.073	NAA
Perry County, MO	0.073	County
Portland, ME	0.073	NAA
Scranton-Wilkes-Barre, PA	0.073	NAA
Seattle-Tacoma-Olympia, WA	0.073	CSA
Tyler-Jacksonville, TX	0.073	CSA
Wheeling, WV-OH	0.073	NAA
Williamsport-Lock Haven, PA	0.073	CSA
Yancey County, NC	0.073	County
Augusta-Richmond County, GA-SC	0.072	CBSA
Benton Harbor, MI	0.072	NAA
Buffalo-Niagara Falls, NY	0.072	NAA
Columbia-Newberry, SC	0.072	CSA
Corpus Christi-Kingsville, TX	0.072	CSA
Durango, CO	0.072	CBSA
El Paso, TX	0.072	CBSA
Essex Co (Whiteface Mtn), NY	0.072	NAA
Fayetteville, NC	0.072	CBSA
Garrett County, MD	0.072	County
Greene Co, IN	0.072	NAA
Houma-Bayou Cane-Thibodaux, LA	0.072	CBSA
Kewaunee Co, WI	0.072	NAA
La Paz County, AZ	0.072	County
Meigs County, TN	0.072	County
Owensboro, KY	0.072	CBSA
Rocky Mount, NC	0.072	NAA
St. George, UT	0.072	CBSA

# Appendix

## 2008-10 DVs Between .060-.074ppm

Wichita-Winfield, KS	0.072 CSA	Flagstaff, AZ	0.07 CBSA
Altoona, PA	0.071 NAA	Grand Rapids, MI	0.07 NAA
Bowling Green, KY	0.071 CBSA	Kalamazoo-Battle Creek, MI	0.07 NAA
Cass Co, MI	0.071 NAA	Lakeland, FL	0.07 CBSA
Florence, SC	0.071 CBSA	Lawton, OK	0.07 CBSA
Fredericksburg, VA	0.071 NAA	Martin County, NC	0.07 County
Greenville, NC	0.071 CBSA	Roanoke, VA	0.07 CBSA
Hickory-Lenoir-Morganton, NC	0.071 CBSA	Rochester, NY	0.07 NAA
Huntington-Ashland, WV-KY	0.071 NAA	San Juan County, UT	0.07 County
Huntsville-Decatur, AL	0.071 CSA	Syracuse-Auburn, NY	0.07 CSA
Johnson City-Kingsport-Bristol (Tri-Cities), TN-VA	0.071 CSA	Tucson, AZ	0.07 CBSA
Las Cruces, NM	0.071 CBSA	White Pine County, NV	0.07 County
Lima, OH	0.071 NAA	Albuquerque, NM	0.069 CBSA
Little Rock-North Little Rock-Pine Bluff, AR	0.071 CSA	Athens, OH	0.069 CBSA
Paducah-Mayfield, KY-IL	0.071 CSA	Bennington, VT	0.069 CBSA
Panama City-Lynn Haven, FL	0.071 CBSA	Benzie Co, MI	0.069 NAA
Perry County, IN	0.071 County	Boise City-Nampa, ID	0.069 CBSA
Polk County, AR	0.071 County	Carson City, NV	0.069 CBSA
Provo-Orem, UT	0.071 CBSA	Carter County, KY	0.069 County
Reno-Sparks-Fernley, NV	0.071 CSA	Chesterfield County, SC	0.069 County
Riverton, WY	0.071 CBSA	Cleveland, MS	0.069 CBSA
Sainte Genevieve County, MO	0.071 County	Columbus-Auburn-Opelika, GA-AL	0.069 CSA
Simpson County, KY	0.071 County	Flint, MI	0.069 NAA
State College, PA	0.071 NAA	Hamilton County, NY	0.069 County
Tioga Co, PA	0.071 NAA	Jacksonville, FL	0.069 CBSA
Waco, TX	0.071 CBSA	Kingston, NY	0.069 CBSA
Charleston, WV	0.07 NAA	Kinston, NC	0.069 CBSA
Charlottesville, VA	0.07 CBSA	Lexington-Fayette--Frankfort--Richmond, KY	0.069 CSA
Clarkesville-Hopkinsville, TN-KY	0.07 NAA	Mason Co, MI	0.069 NAA
Colorado Springs, CO	0.07 CBSA	Miami-Fort Lauderdale-Pompano Beach, FL	0.069 CBSA

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Montgomery-Alexander City, AL	0.069 CSA	Schoolcraft County, MI	0.068 County
Morgantown, WV	0.069 CBSA	Sebring, FL	0.068 CBSA
Mount Vernon, IL	0.069 CBSA	Show Low, AZ	0.068 CBSA
Orlando-Deltona-Daytona Beach, FL	0.069 CSA	Trego County, KS	0.068 County
Peoria-Canton, IL	0.069 CSA	Adair County, OK	0.067 County
Perry County, KY	0.069 County	Corning, NY	0.067 CBSA
Sierra Vista-Douglas, AZ	0.069 CBSA	Dewey County, OK	0.067 County
Springfield, MO	0.069 CBSA	Farmington, NM	0.067 CBSA
St. James County, LA	0.069 County	Glenn County, CA	0.067 County
Tahlequah, OK	0.069 CBSA	Greenbrier County, WV	0.067 County
Winchester, VA-WV	0.069 CBSA	Harrison, AR	0.067 CBSA
Abbeville County, SC	0.068 County	Harrisonburg, VA	0.067 CBSA
Avery County, NC	0.068 County	Huron Co, MI	0.067 NAA
Bloomington-Normal, IL	0.068 CBSA	Lafayette-Frankfort, IN	0.067 CSA
Carlsbad-Artesia, NM	0.068 CBSA	Middlesborough, KY	0.067 CBSA
Charleston-North Charleston, SC	0.068 CBSA	Natchez, MS-LA	0.067 CBSA
Decatur, IL	0.068 CBSA	Ponca City, OK	0.067 CBSA
Effingham, IL	0.068 CBSA	Portland-Vancouver-Beaverton, OR-WA	0.067 CBSA
Elmira, NY	0.068 CBSA	Prescott, AZ	0.067 CBSA
Fort Wayne, IN	0.068 NAA	Summerville, GA	0.067 CBSA
Franklin Co, PA	0.068 NAA	Tallahassee, FL	0.067 CBSA
Grand Junction, CO	0.068 CBSA	Tupelo, MS	0.067 CBSA
Jackson Co, IN	0.068 NAA	Utica-Rome, NY	0.067 CBSA
Johnstown, PA	0.068 NAA	Victoria, TX	0.067 CBSA
Lansing-East Lansing, MI	0.068 NAA	Walterboro, SC	0.067 CBSA
Manistee County, MI	0.068 County	Watertown-Fort Atkinson, WI	0.067 CBSA
Mayes County, OK	0.068 County	Whitewater, WI	0.067 CBSA
McAlester, OK	0.068 CBSA	Wythe County, VA	0.067 County
Montezuma County, CO	0.068 County	Americus, GA	0.066 CBSA
Pike County, KY	0.068 County	Brownsville-Harlingen-Raymondville, TX	0.066 CSA

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## 2008-10 DVs Between .060-.074ppm

Burlington-South Burlington, VT	0.066 CBSA	Brunswick, GA	0.064 CBSA
Caddo County, OK	0.066 County	Clark County, IL	0.064 County
Cadillac, MI	0.066 CBSA	Clinton, IA	0.064 CBSA
Cape Coral-Fort Myers, FL	0.066 CBSA	Davenport-Moline-Rock Island, IA-IL	0.064 CBSA
Cedar County, MO	0.066 County	Dothan-Enterprise-Ozark, AL	0.064 CSA
Colusa County, CA	0.066 County	Fallon, NV	0.064 CBSA
Florence-Muscle Shoals, AL	0.066 CBSA	Fond du Lac-Beaver Dam, WI	0.064 CSA
Jackson-Yazoo City, MS	0.066 CSA	Gadsden, AL	0.064 CBSA
Janesville, WI	0.066 CBSA	Gillette, WY	0.064 CBSA
La Porte, IN	0.066 NAA	Holmes County, FL	0.064 County
Medford, OR	0.066 CBSA	Logan, UT-ID	0.064 CBSA
Miami, OK	0.066 CBSA	Madison-Baraboo, WI	0.064 CSA
Monroe County, MO	0.066 County	Omaha-Council Bluffs-Fremont, NE-IA	0.064 CSA
Muncie, IN	0.066 NAA	Rockford-Freepport-Rochelle, IL	0.064 CSA
Ocala, FL	0.066 CBSA	Salem, OR	0.064 CBSA
Rockbridge County, VA	0.066 County	Santa Fe-Espanola, NM	0.064 CSA
Augusta-Waterville, ME	0.065 CBSA	Silver City, NM	0.064 CBSA
Brewster County, TX	0.065 County	Terre Haute, IN	0.064 NAA
Fayetteville-Springdale-Rogers, AR-MO	0.065 CBSA	Appleton-Oshkosh-Neenah, WI	0.063 CSA
Gainesville, FL	0.065 CBSA	Butte County, ID	0.063 County
Garfield County, CO	0.065 County	Cedar Rapids, IA	0.063 CBSA
Jackson, WY-ID	0.065 CBSA	Claremont-Lebanon, NH-VT	0.063 CSA
Keene, NH	0.065 CBSA	Duluth, MN-WI	0.063 CBSA
Lake City, FL	0.065 CBSA	Evanston, WY	0.063 CBSA
Monroe-Bastrop, LA	0.065 CSA	Forest County, WI	0.063 County
Palm Bay-Melbourne-Titusville, FL	0.065 CBSA	Minneapolis-St. Paul-St. Cloud, MN-WI	0.063 CSA
Quincy, IL-MO	0.065 CBSA	Montgomery County, IA	0.063 County
Rock Springs, WY	0.065 CBSA	Pendleton-Hermiston, OR	0.063 CBSA
Savannah-Hinesville-Fort Stewart, GA	0.065 CSA	Randolph County, IL	0.063 County
Somerset, KY	0.065 CBSA	Sioux Falls, SD	0.063 CBSA
South Bend-Elkhart, IN	0.065 NAA		
Topeka, KS	0.065 CBSA		

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Van Buren County, IA	0.063 County
Vernon County, WI	0.063 County
Waterloo-Cedar Falls, IA	0.063 CBSA
Clearlake, CA	0.062 CBSA
Des Moines-Newton-Pella, IA	0.062 CSA
Eugene-Springfield, OR	0.062 CBSA
Meridian, MS	0.062 CBSA
Wausau-Merrill, WI	0.062 CSA
Burke County, ND	0.061 County
Iron Mountain, MI-WI	0.061 CBSA
La Crosse, WI-MN	0.061 CBSA
McAllen-Edinburg-Mission, TX	0.061 CBSA
Palo Alto County, IA	0.061 County
Rochester, MN	0.061 CBSA
Siskiyou County, CA	0.061 County
Tuscaloosa, AL	0.061 CBSA
Bangor, ME	0.06 CBSA
Becker County, MN	0.06 County
Brainerd, MN	0.06 CBSA
Brookings, SD	0.06 CBSA
Custer County, SD	0.06 County
Dickinson, ND	0.06 CBSA
Hobbs, NM	0.06 CBSA
McKenzie County, ND	0.06 County
Mercer County, ND	0.06 County
Oliver County, ND	0.06 County
Salinas, CA	0.06 CBSA
Sumter County, AL	0.06 County
Washington County, ME	0.06 County