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# State Winter Oxygenated Fuel Program Requirements for Attainment or Maintenance of CO NAAQS

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Transportation and Regional Programs Division  
Office of Transportation and Air Quality  
U.S. Environmental Protection Agency

## State Winter Oxygenated Fuel Program Requirements for Attainment or Maintenance of CO NAAQS

Areas with Current Winter Oxy Programs				
Area (C/MSA)	State/Region	Control Period/Oxygen Content	Type	Comments
<b>El Paso</b>	TX/R6	10/1 - 3/31 2.7% Approved SIP	100% Ethanol	Continues to implement oxygenated fuel program. TCEQ expanded the federal control period to begin Oct. 1 and end on March 31.
<b>Missoula</b>	MT/R8	11/1 - 2/29 2.7% Approved SIP	100% Ethanol	Redesignated to attainment (8/17/2007, 72 FR 46158). Oxygenated fuel program remains in maintenance plan.
<b>Las Vegas</b>	NV/R9	10/1 - 3/31 3.5%	100% Ethanol	Reclassified to CO "serious" nonattainment area (10/2/1997, 62 FR 51604). Approval of wintertime oxygenated fuel program into SIP (6/2/1999, 64 FR 29573). Approval of wintertime low RVP and CBG programs finalized (9/21/2004, 69 FR 56351).
<b>Phoenix</b>	AZ/R9	11/02 -3/31 3.5% Approved SIP	100% Ethanol	Most recent SIP revision requires gasoline similar to CARB Phase 2 in winter, with 10% ethanol. (3/4/2004, 69 FR 10161) Redesignated to attainment (3/9/2005, 70 FR 11553). The maintenance plan made no changes to the oxygenated fuel program.
<b>Los Angeles</b>	CA/R9	11/1 - 2/29 1.8% to 2.2% Approved SIP	100 % Ethanol	Redesignated to attainment. (5/11/2007, 72 FR 26718) The maintenance plan made no changes to the oxygenated fuel program.
<b>Reno</b>	NV/R9	10/1 - 1/31 2.7%	100% Ethanol	EPA is preparing a notice of proposed approval of a CO maintenance plan and redesignation to attainment for CO. The maintenance plan submittal makes no changes to the oxygenated fuel program.
<b>Albuquerque</b>	NM/R6	11/1 - 2/29 2.7%	100% Ethanol	Oxygenated fuel program is part of the maintenance plan
<b>Tucson</b>	AZ/R9	10/1 -3/31 1.8% Approved SIP	100% Ethanol	Oxygenated fuel program in the approved maintenance plan provides for increase up to 3.5%

<b>Areas No Longer Implementing the Winter Oxy Program</b>				
<b>Area (C/MSA)</b>	<b>State/Region</b>	<b>Redesignation/ SIP Change Published in FR</b>	<b>Effective Date</b>	<b>Comments</b>
<b>Syracuse</b>	NY/R2	Sept. 29, 1993	Sept. 29, 1993	
<b>Greensboro</b>	NC/R4	Sept. 21, 1994	Nov. 7, 1994	
<b>Cleveland</b>	OH/R5	Feb. 4, 1994	March 7, 1994	
<b>Duluth</b>	MN/R5	April 14 ,1994	June 13, 1994	MN has adopted a year-round, statewide oxygen mandate.
<b>Memphis</b>	TN/R4	July 26, 1994	Sept. 26, 1994	
<b>Baltimore</b>	MD/R3	Oct. 31, 1995	Dec. 15, 1995	
<b>Raleigh-Durham</b>	NC/R4	Aug. 2, 1995	Sept. 18, 1995	
<b>Hartford</b>	CT/R1	Oct. 31, 1995	Jan. 2, 1996	Redesignation retained oxy fuel program as a contingency measure
<b>Philadelphia</b>	NJ/R2 PA,MD/R3	Jan. 30, 1996	March 15, 1996	
<b>Boston</b>	MA/R1	Jan. 30, 1996	April 1, 1996	Redesignation retained oxy fuel program as a contingency measure
<b>Washington DC</b>	DC,MD,VA/ R3	Jan. 30, 1996	March 15, 1996	
<b>Vancouver</b>	WA/R10	Oct. 21, 1996	Oct. 21, 1996	Redesignation plan keeps oxy fuel program as a contingency measure.
<b>Seattle</b>	WA/R10	Oct. 11, 1996	Oct. 11, 1996	Redesignation plan keeps oxy fuel program as a contingency measure.
<b>San Diego, Chico, Modesto, Sacramento, Fresno, San Francisco and Stockton</b>	CA/R9	March 31, 1998	June 1, 1998	Redesignation plan keeps oxy fuel program as a contingency measure
<b>Salt Lake City</b>	UT/R8	January 21, 1999	March 22, 1999	Redesignation plan drops oxy fuel program from the maintenance plan
<b>New Haven</b>	CT/R1	October 5, 1998	Dec. 4, 1998	
<b>Minneapolis/ St. Paul</b>	MN/R5	October 29, 1999	Nov. 29, 1999	MN has adopted a year-round, statewide oxygen mandate.
<b>Colorado Springs</b>	CO/R8	December 22, 2000	Feb. 20, 2000	SIP revision removes oxy fuel program as SIP control measure and makes it a contingency measure .
<b>New York/ Northern NJ/ Southwest CT</b>	CT/R1 NY,NJ/R2 NJ CT NY	November 22, 1999 December 1, 1999 April 19, 2000	Nov. 22, 1999 Jan. 31, 2000 May 19, 2000	SIP revisions for all three states have removed the oxy fuel program as control measures from their SIPs. In SW CT, oxy fuel program was retained as a contingency measure.

**Areas No Longer Implementing the Winter Oxy Program**

<b>Area (C/MSA)</b>	<b>State/Region</b>	<b>Redesignation/ SIP Change Published in FR</b>	<b>Effective Date</b>	<b>Comments</b>
<b>Grants Pass</b>	OR/R10	October 30, 2000		Maintenance plan lists oxy fuel program as a contingency measure.
<b>Ogden</b>	UT/R8	March 9, 2001	May 8, 2001	SIP revision removes oxy fuel program as control measure and makes it a contingency measure
<b>Klamath Co.</b>	OR/R10	November 19, 2001		Maintenance plan lists oxy fuel program as a contingency measure.
<b>Medford</b>	OR/R10	Sept. 23, 2002		Maintenance plan lists oxy fuel program as a contingency measure.
<b>Ft. Collins</b>	CO/R8	July 22, 2003	January 1, 2004	SIP revision removes oxy fuel program as control measure and makes it a contingency measure.
<b>Anchorage</b>	AK/R10	July 23, 2004		Maintenance plan lists oxy fuel program as a contingency measure.
<b>Spokane</b>	WA/R10	August 29, 2005		Maintenance plan lists oxy fuel program as a contingency measure.
<b>Provo/Orem</b>	UT/R8	November 2, 2005	January 3, 2006	Maintenance plan approval: 70 FR 66264
<b>Portland</b>	OR/R10	January 24, 2006	February 23, 2006	Oxy fuel program remained in place through October 31, 2007. After which, maintenance plan lists oxy fuel program as a contingency measure: 70 FR 3768
<b>Denver/Boulder</b>	CO/R8	August 17, 2007	October 16, 2007	Maintenance plan lists oxy fuel program as a contingency measure (72 FR 46148)
<b>Longmont</b>	CO/R8	August 17, 2007	October 16, 2007	Maintenance plan lists oxy fuel program as a contingency measure (72 FR 46148)

**ORIGINAL AREAS:** 39 in 1992, 1 for 1993  
36 implemented in first year (1992)

**ORIGINAL REQUIRED STATES: 23** Maryland, Massachusetts, North Carolina, Connecticut, Pennsylvania, New Jersey, New York, District of Columbia, Virginia, Ohio, Tennessee, New Mexico, Texas, Colorado, Montana, Utah, Alaska, Oregon, Washington, California, Nevada, Arizona, Minnesota

**REDESIGNATIONS TO CO ATTAINMENT: 37** Syracuse, NY; Winston-Salem-Greensboro, NC; Cleveland, OH; Duluth, MN; Memphis, TN; Baltimore, MD; Raleigh/Durham, NC; Hartford, CT; Philadelphia, PA CMSA (includes Southern New Jersey); Washington, D.C. CMSA (VA & MD); Albuquerque, NM; Boston, MA; Vancouver, WA; Seattle, WA; Portland, OR; San Diego, Chico, Modesto, Sacramento, Fresno, San Francisco & Stockton, CA; Salt Lake City, UT; Connecticut (portion of CT/NJ/NY CMSA); Colorado Springs, CO; Longmont, CO; Grants Pass, OR; Ogden, UT; Ft. Collins, CO; Klamath Co., OR; Medford, OR; Denver/Boulder, CO; Anchorage & Fairbanks, AK; Spokane, WA; Provo/Orem, UT; Missoula, MT

**PROPOSED OR DEVELOPING REDESIGNATION REQUESTS TO CO ATTAINMENT: 1** Reno, NV;

**REDESIGNATIONS TO "SERIOUS" CO NONATTAINMENT AREAS: 2** Phoenix, AZ; Las Vegas, NV;

**CURRENT STATES: 6** Texas, Montana, Utah, California, Nevada, Arizona,

**TOTAL AREAS IMPLEMENTING IN 1994/95: 31**  
**TOTAL AREAS IMPLEMENTING IN 1995/96: 27**  
**TOTAL AREAS IMPLEMENTING IN 1996/97: 25**  
**TOTAL AREAS IMPLEMENTING IN 1997/98: 25**  
**TOTAL AREAS IMPLEMENTING IN 1998/99: 17**  
**TOTAL AREAS IMPLEMENTING IN 1999/00: 15**  
**TOTAL AREAS IMPLEMENTING IN 2000/01: 20\***  
**TOTAL AREAS IMPLEMENTING IN 2001/02: 18\***  
**TOTAL AREAS IMPLEMENTING IN 2004/05: 15\***  
**TOTAL AREAS IMPLEMENTING IN 2005/06: 12\***  
**TOTAL AREAS IMPLEMENTING IN 2006/07: 11\***  
**TOTAL AREAS IMPLEMENTING IN 2007/08: 8\***

\* includes those areas with a winter oxy fuel program in their maintenance plan