

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
El Paso	TX/R6	10/1 - 3/31 2.7% Approved SIP	100% Ethanol	Continues to implement oxy program. TNRCC expanded the federal control period to begin Oct. 1 and end on March 31.
Denver/ Boulder	CO/R8	11/1 to Jan. 31 AVG 2.0% 2004 1.9% 2005 1.5% 2006-2011 Approved SIP	100% Ethanol	Redesignated to attainment 12/14/02 (66FR 64751). Oxy program in the maintenance plan
Longmont	CO/R8	11/1 to Jan. 31 AVG 2.0% 2004 1.9% 2005 1.5% 2006-2011 Approved SIP	100% Ethanol	Redesignated to attainment 9/24/99 (64 FR 51694). Oxy program in the maintenance plan.
Missoula	MT/R8	11/1 - 2/29 2.7% Approved SIP	100% Ethanol	Submitted redesignation request to attainment. Will continue to implement program.
Provo/Orem	UT/R8	11/1 - 2/29 *Enforcement Discretion Granted	100% Ethanol	EPA is pursuing enforcement discretion through Spring 2006, pending rule making which would eliminate winter oxygen requirement in the SIP
Las Vegas	NV/R9	10/1 - 3/31 3.5%	100% Ethanol	Final redesignation to CO "serious" non-attainment area was published in the FR on 10-2-97 (62 FR 51604-51606). Approval of wintertime oxygenated fuel program in June 1999 (64 FR 29573). Approval of low RVP and CBG programs finalized, effective October 21, 2004. (69 FR 56351).
Phoenix	AZ/R9	11/02 - 3/15 3.5% Approved SIP	100% Ethanol	Most recent SIP revision requires gasoline similar to CARB Phase 2 in winter, with 10% ethanol. (see 60 FR 10161, March 4, 2004) We have proposed to redesignate the area to attainment (10/8/04, 69 FR 60328). The maintenance plan submittal makes no changes to the oxygenated fuel program. See discussion at 60334-5.
Los Angeles	CA/R9	10/1 - 2/29 1.8% to 2.2% Approved SIP	100 % Ethanol	OXY & RFG Classified as a "serious" CO non-attainment area. Has data to redesignate – working on redesignation request.

Areas with Current Winter Oxy Programs

Area (C/MSA)	State/ Region	Control Period/Oxygen Content	Type	Comments
Reno	NV/R9	10/1 - 1/31 2.7%	100% Ethanol	EPA audited in Jan. '94. Has data to redesignate – working on redesignation request.
Albuquerque	NM/R6	11/1 - 2/29 2.7%	100% Ethanol	Program is part of the CO maintenance plan
Portland	OR/R10	11/1 - 2/29 2.7%		Redesignation plan, effective September 2, 1997, kept oxy program in the maintenance plan. Proposed maintenance plan revision will remove oxy program in 2007 except as a contingency measure..
Tucson	AZ/R9	10/1 -3/31 1.8% Approved SIP	100% Ethanol	Oxy program in the approved maintenance plan provides for increase up to 3.5%

Areas No Longer Implementing the Winter Oxy Program				
Area (C/MSA)	State/Region	Redesignation/SIP Change Published in FR	Effective Date	Comments
Syracuse	NY/R2	Sept. 29, 1993	Sept. 29, 1993	
Greensboro	NC/R4	Sept. 21, 1994	Nov. 7, 1994	
Cleveland	OH/R5	Feb. 4, 1994	March 7, 1994	
Duluth	MN/R5	April 14 ,1994	June 13, 1994	MN has adopted a year-round, statewide oxygen mandate.
Memphis	TN/R4	July 26, 1994	Sept. 26, 1994	
Baltimore	MD/R3	Oct. 31, 1995	Dec. 15, 1995	
Raleigh-Durham	NC/R4	Aug. 2, 1995	Sept. 18, 1995	
Hartford	CT/R1	Oct. 31, 1995	Jan. 2, 1996	Redesignation retained oxy as a contingency measure
Philadelphia	PA/NJ/MD R2/R3	Jan. 30, 1996	March 15, 1996	
Boston	MA/R1	Jan. 30, 1996	April 1, 1996	Redesignation retained oxy as a contingency measure
Washington DC	DC/MD/VA R3	Jan. 30, 1996	March 15, 1996	
Vancouver	WA R10	Oct. 21, 1996	Oct. 21, 1996	Redesignation plan drops oxy from the maintenance plan but keeps it as a contingency measure.
Seattle	WA R10	Oct. 11, 1996	Oct. 11, 1996	Redesignation plan drops oxy from the maintenance plan but keeps it as a contingency measure.
San Diego, Chico, Modesto, Sacramento, Fresno, San Francisco and Stockton, CA	CA/RE 9	March 31, 1998	June 1, 1998	Redesignation plan keeps oxy as a contingency measure

Areas No Longer Implementing the Winter Oxy Program				
Area (C/MSA)	State/Region	Redesignation/SIP Change Published in FR	Effective Date	Comments
Salt Lake City, UT	UT/R8	January 21, 1999	March 22, 1999	Redesignation plan drops oxy from the maintenance plan
New Haven, Connecticut	CT/R1	October 5, 1998	December 4, 1998	
Minneapolis/St. Paul	MN/R5	October 29, 1999	November 29, 1999	MN has adopted a year-round, statewide oxygen mandate.
Colorado Springs	CO/R8	December 22, 2000	February 20, 2000	SIP revision removes oxyfuels program as SIP control measure and makes it a contingency measure
New York/N. NJ/Southwest CT	NY/NJ/CT R1 & R2 NJ CT NY	November 22, 1999 December 1, 1999 April 19, 2000	November 22, 1999 January 31, 2000 May 19, 2000	SIP revisions for all three states have removed the oxy program as control measures from their SIPs. In SW CT, oxy was retained as a contingency measure.
Grants Pass	OR/R10	October 30, 2000		Maintenance plan lists oxyfuel program as a contingency measure.
Ogden	UT/R8	March 9, 2001	May 8, 2001	SIP revision removes Oxy program as control measure and makes it a contingency measure
Klamath Co.	OR/R10	November 19, 2001		Maintenance plan lists oxyfuel program as a contingency measure.
Medford	OR/R10	September 23, 2002		Maintenance plan lists oxyfuel program as a contingency measure.
Ft. Collins	CO/R8	July 22, 2003	January 1, 2004	SIP revision removes Oxy program as control measure and makes it a contingency measure.

Areas No Longer Implementing the Winter Oxy Program				
Area (C/MSA)	State/Region	Redesignation/SIP Change Published in FR	Effective Date	Comments
Anchorage	AK/R10	July 23, 2004		Maintenace plan lists oxyfuel program as a contingency measure.
Spokane	WA/R10	August 29, 2005		Maintenace plan lists oxyfuel program as a contingency measure.

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: 35 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;

PROPOSED OR DEVELOPING REDESIGNATION REQUESTS TO CO ATTAINMENT: 4 Reno, NV; NYC; Provo, UT; Missoula, MT;

REDESIGNATIONS TO “SERIOUS” CO NONATTAINMENT AREAS: 2 Phoenix, AZ; Las Vegas, NV;

CURRENT STATES: 8 Texas, Colorado, Montana, Utah, Oregon, 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*

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