

Complete List of Control Measures Considered by MWAQC for Use in Severe Area SIP Spring 2003 (Updated October 6, 2004)

Measures listed in **BOLD** are included in the Severe Area SIP.

ID	Measure	Implementation	Description
1A	Recreational Marine Equipment Use Restrictions	-- Mandatory Episodic	Ban use of recreational marine equipment on Code Red Ozone Action Days
1B	Recreational Marine Equipment Use Restrictions	-- Voluntary Episodic	Voluntary moratorium on use of all recreational marine equipment on Ozone Action Days
2A	Recreational Marine Idling Restrictions	-- Mandatory Episodic	Ban idling by recreational marine equipment on Code Red Ozone Action Days
2B	Recreational Marine Idling Restrictions	-- Voluntary Episodic	Voluntary moratorium on idling by recreational marine equipment on Ozone Action Days
2C	Recreational Marine Idling Restrictions	-- Mandatory Ozone Season Only	Ban idling by recreational marine equipment during ozone season
2D	Recreational Marine Idling Restrictions	-- Mandatory Year Round	Ban idling by recreational marine equipment year-round
3A	Construction Equipment Use Restrictions	-- Mandatory Episodic	Ban use of construction equipment on Code Red Ozone Action Days
3B	Construction Equipment Use Restrictions	Mandatory Episodic - State/Local -- Contracts	Ban use of construction equipment operating on state and local contracts on Code Red Ozone Action Days
3C	Construction Equipment Use Restrictions	-- Voluntary Episodic	Voluntary moratorium on use of construction equipment on Ozone Action Days
4A	Construction Retrofits	-- Mandatory	Require construction equipment operating in the Washington region to be retrofitted with emissions control equipment
4B	Construction Retrofits	-- Mandatory in State/Local Contracts	Require construction equipment operating in the Washington region on state or local government contracts to be retrofitted with emissions control equipment
4C	Construction Retrofits	-- Voluntary Contractor Participation	Voluntary retrofits of construction equipment operating in the Washington region
5A	Ozone Season Construction Idling Restrictions	-- Mandatory	Ban idling by construction equipment during ozone season
5B	Ozone Season Construction Idling Restrictions	-- Mandatory in State/Local Contracts	Ban ozone season idling by construction equipment operating on state or local government contracts
5C	Ozone Season Construction Idling Restrictions	-- Voluntary Contractor Participation	Voluntary moratorium on idling by construction equipment during ozone season
6A	Low-NOx Fuel for Construction Equipment	-- Mandatory	Require diesel-fired construction equipment operating in region to use low-NOx fuel during ozone season
6B	Low-NOx Fuel for Construction Equipment	-- Mandatory in State/Local Contracts	Require diesel-fired construction equipment operating on state or local government contracts to use low-NOx fuel during ozone season
6C	Low-NOx Fuel for Construction Equipment	-- Voluntary Contractor Participation	Voluntary use of low-NOx fuel by diesel-fired construction equipment during ozone season
7	"Cash for Clunkers" Lawn & Garden Program	-- Voluntary Citizen Participation	Offer cash for consumers to turn in lawnmowers or lawn tractors and purchase electric or push mowers
8A	Lawn & Garden Equipment Use Restrictions	-- Mandatory Episodic	Ban use of lawn and garden equipment on Code Red Ozone Action Days
8B	Lawn & Garden Equipment Use Restrictions	-- Voluntary Episodic	Voluntary moratorium on operation of residential lawn & garden equipment on Ozone Action Days
8C	Lawn & Garden Equipment Use Restrictions	-- Mandatory for State & Local Jobs	Ban use of lawn & garden equipment on state & local projects on Ozone Action Days
9	"Cash for Clunkers" Outboard Motor Program	-- Voluntary Citizen Participation	Offer cash for consumers to turn in old outboard motors and purchase new ones
10	Low NOx Fuel for Recreational Marine Equipment	-- Mandatory	Require diesel-fired recreational marine equipment to use low-NOx fuel during ozone season
11A	Agricultural Equipment Use Restrictions	-- Mandatory Episodic	Ban use of agricultural equipment on Code Red Ozone Action Days
11B	Agricultural Equipment Use Restrictions	-- Voluntary Episodic	Voluntary moratorium on use of agricultural equipment on Code Red Ozone Action Days
12	Low NOx Fuel for Lawn & Garden Equipment	-- Mandatory	Require diesel-fired lawn & garden equipment to use low-NOx fuel during ozone season
13A	Pesticide Application Restrictions	-- Mandatory Episodic	Ban pesticide application on Code Red Ozone Action Days
13B	Pesticide Application Restrictions	-- Voluntary Episodic	Voluntary moratorium on pesticide application on Code Red Ozone Action Days
14	Control Locomotive Idling	-- Mandatory	Require installation of auxiliary power units (APUs) on locomotives to reduce idling emissions
15	Truck Stop Electrification	-- State & Local Commitment	Electrify regional truck stops to reduce overnight idling.
16A	Low-NOx On-Road Diesel Fuel in Ozone Season	-- All Diesel Vehicles	Require use of low-NOx additive in on-road diesel fuel during ozone season
16B	Low-NOx On-Road Diesel Fuel in Ozone Season	-- State and Local Diesel Fleets	Require use of low-NOx additive by state or local diesel vehicles during ozone season
17A	Diesel Retrofits	-- School Buses	Retrofit regional school buses with emissions-reducing devices
17B	Diesel Retrofits	-- State & Local Diesel Vehicles	Retrofit diesel vehicles owned by state or local governments with emissions-reducing devices

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17C	Diesel Retrofits	-- Commercial Vehicles Registered in Region	Require emissions-reducing retrofits for commercial diesel vehicles registered in the region
17D	Diesel Retrofits	-- Tax Break for Retrofitting Commercial Vehicles	Offer tax credit for retrofitting commercial vehicles.
18	Urban Reforestation/Rooftop Gardens	-- State & Local Commitment	Implement urban reforestation/rooftop gardening program
19A	Reductions from Local Power Plants	-- MOUs	Negotiate MOUs with power plants in the MWAQC region to reduce emissions below SIP Call levels
19B	Reductions from Local Power Plants	-- Permits	Set permit limits for power plants in the MWAQC region below SIP Call levels
19C	Reductions from Local Power Plants	-- Allowance Purchase	Issue RFQ to purchase NOx allowances from power plants in the region emitting under SIP Call levels, ensuring additional local emission reductions
20A	Employer Parking Cash-Out	-- Voluntary	Implement voluntary program encouraging employers to provide the value of subsidized parking to employees who use alternative commute strategies
20B	Employer Parking Cash-Out	-- Mandatory	Implement program requiring employers to provide the value of subsidized parking to employees who use alternative commute strategies
21	Aircraft Gate Idling Restrictions	-- MOU	Secure an MOU with the Metropolitan Washington Airports Authority (MWAA) to require all aircraft to use preconditioned gate air and electricity instead of idling at gate
22A	Enhanced Enforcement of Area Source Regs	-- Open Burning in MD	Take credit for enhanced enforcement of seasonal open burning restrictions in MD
22B	Enhanced Enforcement of Area Source Regs	-- Surface Cleaning	Enhance enforcement of surface cleaning rules
22C	Enhanced Enforcement of Area Source Regs	-- Open Burning in VA	Enhance enforcement of open burning restriction in Virginia
23A	Commuter Parking Tax	-- On Employees	Implement daily tax on employees using commuter parking spaces
23B	Commuter Parking Tax	-- On Employers Providing Subsidized Parking	Implement daily tax on employers providing free or discounted commuter parking spaces
23C	Commuter Parking Tax	-- On Employers With No Transit Benefits	Implement daily tax on employers who do not provide transit benefits to employees
24	Smart Growth/Infill Development	-- State & Local Regulation / Commitment	Implement a Smart Growth program throughout the Washington region
25A	Gas Tax Increase	-- On-Road Gasoline Only	Implement a fuel tax on on-road gasoline
25B	Gas Tax Increase	-- On-Road and Off-Road Gasoline	Raise fuel taxes on on-road and off-road gasoline
25C	Gas Tax Increase	-- On-Road Gasoline and Diesel	Raise fuel taxes on on-road gasoline and diesel
25D	Gas Tax Increase	-- On-Road and Off-Road Gasoline and Diesel	Raise fuel taxes on on-road and off-road gasoline and diesel
26	Market Based Parking Charge at Federal Facilities	-- MOU	Negotiate agreement with federal government to charge market rate for daily parking for all employees
27A	VMT-Based Car Tax	-- Private Vehicles Only	Charge VMT fee for all private vehicles registered or garaged in the region
27B	VMT-Based Car Tax	-- Private and Commercial Vehicles	Charge VMT fee for all vehicles registered or garaged in the region
28A	Graduated Car Tax	-- Higher Tax for Additional Vehicles	Charge higher car tax on each additional vehicle registered by a household
28B	Graduated Car Tax	-- Higher Tax for Vehicles with Low Fuel Efficiency	Charge graduated car taxes based on a vehicle's EPA miles per gallon rating
28C	Graduated Car Tax	-- No Tax on Alternative Fueled Vehicles	Implement region-wide car tax for petroleum-fueled vehicles; alternative-fueled vehicles will be exempt.
28D	Rebate for Purchase of Hybrid or Fuel Efficient Vehicles	-- Voluntary Citizen or Corporate Participation	Issue rebate for purchase and registration of hybrid vehicle in Washington region
29	Enforce On-Road Idling Restrictions	-- State & Local Commitment	Increase enforcement of regional idling restrictions for on-road vehicles
30	Airport Ground Service Equipment Controls	-- MOU	Negotiate MOU with airlines or equipment operators at Washington Dulles and Reagan National to reduce emissions from airport ground service equipment

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31A	Clean Fuel Vehicles	-- State & Local Vehicles	Require state & local governments to purchase Clean Fuel Vehicles for their fleets
31B	Clean Fuel Vehicles	-- Commercial Taxi and Transit Fleets	Implement voluntary program to replace old, conventionally-fueled taxis and transit buses with clean-fueled vehicles
32A	Cetane-Enhancing Diesel Additive	-- Highway Engines	Require on-road diesel vehicles to use cetane-enhanced fuel
32B	Cetane-Enhancing Diesel Additive	-- Non-Road Engines	Require non-road diesel vehicles to use cetane-enhanced fuel
32C	Cetane-Enhancing Diesel Additive	-- On-Road and Non-Road Engines	Require on-road and non-road diesel vehicles to use cetane-enhanced fuel
32D	Cetane-Enhancing Diesel Additive	-- Local School Buses	Commit to using purchasing cetane-enhanced diesel fuel in local school buses
33A	Ozone Transport Commission (OTC) Measures	-- Consumer Products	Require reformulation of 80 types of consumer products (e.g. non-stick cooking spray, air freshener, anti-perspirant, windshield washer fluid)
33B	Ozone Transport Commission (OTC) Measures	-- Portable Fuel Containers	Mandates design criteria to reduce evaporation and spillage from portable gas cans (one opening, automatic close)
33C	Ozone Transport Commission (OTC) Measures	-- Architectural & Industrial Maintenance Coatings	Mandates design criteria to reduce evaporation and spillage from portable gas cans (one opening, automatic close)
33D	Ozone Transport Commission (OTC) Measures	-- Mobile Equipment Repair & Refinishing	Reduces VOC content of auto body paint, requires more efficient paint application and cleaning of spray guns
33E	Ozone Transport Commission (OTC) Measures	-- Solvent Cleaning	Regulates technology level and operation of machines used to clean metal parts (electronic components or auto parts)
33F	Ozone Transport Commission (OTC) Measures	-- Additional NOx Controls	Regulates emissions from smaller stationary NOx sources (industrial boilers, cement kilns)
34	"Cash for Clunkers" On-Road Vehicle Program	-- Voluntary Citizen Participation	Fund voluntary program paying car owners to turn in old vehicles for scrappage
35	Traffic Signal Optimization	-- State & Local Commitment	Regularly optimize traffic signals to reduce idling and low-speed emissions
36	Telework Program	-- State & Local Commitment	Telecommuting centers, including marketing activity, consultant support, commuter and employer information and assistance
37	Proximity Commute	-- State & Local Commitment	Encourage employees of the same firm to swap jobs, permitting each to work at a location closer to home
38	Mandatory Employee Trip Reduction Plan	-- State Regulation	Require all regional employers to reduce employee vehicle trips
39	Value Pricing (HOT lanes)	-- State Legislation	Implement value pricing strategies on busy freeways during rush hour
40A	Remote Sensing I/M	-- On-Road Gasoline Vehicles	Begin remote sensing program to exempt clean gasoline vehicles from I/M and require dirty vehicles to undergo reinspection and repair
40B	Remote Sensing I/M	-- On-Road Diesel Vehicles	Begin remote sensing program to exempt clean diesel vehicles from I/M and require dirty vehicles to undergo reinspection and repair
41	Roadside Smoke Testing for Diesel Trucks	-- State Regulation	Require periodic roadside smoke testing at weigh stations in the Washington area
42A	Expand NOx RACT Controls to Adjacent Counties	-- 200 km	Take credit for expansion of NOx RACT controls to 200 km outside the nonattainment area
42B	Expand VOC RACT Controls to Adjacent Counties	-- 100 km	Take credit for expansion of regional VOC RACT controls to 100 km outside the nonattainment area
42C	Expand OTC Measures to Adjacent Counties	-- 100 km	Take credit for expansion of regional OTC measures to 100 km outside the nonattainment area
43	VOC Cap and Trade for Stationary Sources	-- State Regulation	Implement cap and trade program for VOC sources in region.
44A	Clean Air Partners Program	-- State & Local Commitment	Encourage individuals to take voluntary actions to reduce emissions on Ozone Action Days
44B	Commuter Operations Center	-- State & Local Commitment	Provide commuter assistance services, including carpool and vanpool ridesharing
44C	Guaranteed Ride Home	-- State & Local Commitment	Provide free rides home in event of unexpected emergency or unscheduled overtime to commuters using public transport
44D	Integrated Rideshare	-- State & Local Commitment	Provide transit, park & ride, and telecenter information to all commuters on a matchlist
45	"Cash for Clunkers" Gas Can Program	-- Voluntary Citizen Participation	Offer incentives for consumers to turn in old gas cans and obtain new ones

ID	Measure	Implementation	Description
46	Airport Emissions Cap	-- MOU	Cap airport emissions and allow MWWA and airlines to develop method for achieving reductions
47	Points for Low Emissions in Airport Contract Bids	-- MOU	Sign MOU with MWWA to award extra points to airport contract bidders who pledge to reduce emissions below current levels
48	Low NOx Fuel Oil for Stationary Sources	-- Mandatory	Require oil-burning stationary sources to burn ThermaNOx, a low-NOx No. 2 fuel oil emulsion, during ozone season
49	Parking Impact Fee	-- State Legislation	Levy annual impact fee on every parking space in nonattainment area
50	Purchase Hybrid Vehicles for State and Local Fleets	-- State & Local Commitment	Purchase hybrid vehicles instead of normal LDGVs as part of normal state and local government fleet replacement programs
51	Control Locomotive Idling	-- MOU with Local Commuter Rail	Seek voluntary agreement to reduce idling of locomotives through installation of APUs or other methods
52	Piggyback Truck Freight on Rail	-- MOU with Freight Haulers	Seek voluntary agreement to ship truck freight by rail where feasible.
53	Increase Intermodal Transport	-- MOU with Freight Haulers	Seek voluntary agreements to increase use of intermodal options for freight shipping.