

Complete List of Control Measures for Use SIP Planning (Updated October 12, 2004)

ID	Measure	Implementation	Description
1A	Recreational Marine Equipment Use Restrictions	-- Mandatory Episodic	<i>Ban use of recreational marine equipment on Code Red Ozone Action Days</i>
1B	Recreational Marine Equipment Use Restrictions	-- Voluntary Episodic	<i>Voluntary moratorium on use of all recreational marine equipment on Ozone Action Days</i>
2A	Recreational Marine Idling Restrictions	-- Mandatory Episodic	<i>Ban idling by recreational marine equipment on Code Red Ozone Action Days</i>
2B	Recreational Marine Idling Restrictions	-- Voluntary Episodic	<i>Voluntary moratorium on idling by recreational marine equipment on Ozone Action Days</i>
2C	Recreational Marine Idling Restrictions	-- Mandatory Ozone Season Only	<i>Ban idling by recreational marine equipment during ozone season</i>
2D	Recreational Marine Idling Restrictions	-- Mandatory Year Round	<i>Ban idling by recreational marine equipment year-round</i>
3A	Construction Equipment Use Restrictions	-- Mandatory Episodic	<i>Ban use of construction equipment on Code Red Ozone Action Days</i>
3B	Construction Equipment Use Restrictions	-- Mandatory Episodic - State/Local Contracts	<i>Ban use of construction equipment operating on state and local contracts on Code Red Ozone Action Days</i>

3C	Construction Equipment Use Restrictions	--	Voluntary Episodic	<i>Voluntary moratorium on use of construction equipment on Ozone Action Days</i>
4A	Construction Retrofits	--	Mandatory	<i>Require construction equipment operating in the Washington region to be retrofitted with emissions control equipment</i>
4B	Construction Retrofits	--	Mandatory in State/Local Contracts	<i>Require construction equipment operating in the Washington region on state or local government contracts to be retrofitted with emissions control equipment</i>
4C	Construction Retrofits	--	Voluntary Contractor Participation	<i>Voluntary retrofits of construction equipment operating in the Washington region</i>
5A	Ozone Season Construction Idling Restrictions	--	Mandatory	<i>Ban idling by construction equipment during ozone season</i>
5B	Ozone Season Construction Idling Restrictions	--	Mandatory in State/Local Contracts	<i>Ban ozone season idling by construction equipment operating on state or local government contracts</i>
5C	Ozone Season Construction Idling Restrictions	--	Voluntary Contractor Participation	<i>Voluntary moratorium on idling by construction equipment during ozone season</i>
6A	Low-NOx Fuel for Construction Equipment	--	Mandatory	<i>Require diesel-fired construction equipment operating in region to use low-NOx fuel during ozone season</i>
6B	Low-NOx Fuel for Construction Equipment	--	Mandatory in State/Local Contracts	<i>Require diesel-fired construction equipment operating on state or local government contracts to use low-NOx fuel during ozone season</i>
6C	Low-NOx Fuel for Construction Equipment	--	Voluntary Contractor Participation	<i>Voluntary use of low-NOx fuel by diesel-fired construction equipment during ozone season</i>
7	"Cash for Clunkers" Lawn & Garden Program	--	Voluntary Citizen Participation	<i>Offer cash for consumers to turn in lawnmowers or lawn tractors and purchase electric or push mowers</i>

8A	Lawn & Garden Equipment Use Restrictions	--	Mandatory Episodic	<i>Ban use of lawn and garden equipment on Code Red Ozone Action Days</i>
8B	Lawn & Garden Equipment Use Restrictions	--	Voluntary Episodic	<i>Voluntary moratorium on operation of residential lawn & garden equipment on Ozone Action Days</i>
8C	Lawn & Garden Equipment Use Restrictions	--	Mandatory for State & Local Jobs	<i>Ban use of lawn & garden equipment on state & local projects on Ozone Action Days</i>
9	"Cash for Clunkers" Outboard Motor Program	--	Voluntary Citizen Participation	<i>Offer cash for consumers to turn in old outboard motors and purchase new ones</i>
10	Low NOx Fuel for Recreational Marine Equipment	--	Mandatory	<i>Require diesel-fired recreational marine equipment to use low-NOx fuel during ozone season</i>
11A	Agricultural Equipment Use Restrictions	--	Mandatory Episodic	<i>Ban use of agricultural equipment on Code Red Ozone Action Days</i>
11B	Agricultural Equipment Use Restrictions	--	Voluntary Episodic	<i>Voluntary moratorium on use of agricultural equipment on Code Red Ozone Action Days</i>
12	Low NOx Fuel for Lawn & Garden Equipment	--	Mandatory	<i>Require diesel-fired lawn & garden equipment to use low-NOx fuel during ozone season</i>
13A	Pesticide Application Restrictions	--	Mandatory Episodic	<i>Ban pesticide application on Code Red Ozone Action Days</i>
13B	Pesticide Application Restrictions	--	Voluntary Episodic	<i>Voluntary moratorium on pesticide application on Code Red Ozone Action Days</i>
14	Control Locomotive Idling	--	Mandatory	<i>Require installation of auxiliary power units (APUs) on locomotives to reduce idling emissions</i>
15	Truck Stop Electrification	--	State & Local Commitment	<i>Electrify regional truck stops to reduce overnight idling.</i>

16A	Low-NOx On-Road Diesel Fuel in Ozone Season	--	All Diesel Vehicles	<i>Require use of low-NOx additive in on-road diesel fuel during ozone season</i>
16B	Low-NOx On-Road Diesel Fuel in Ozone Season	--	State and Local Diesel Fleets	<i>Require use of low-NOx additive by state or local diesel vehicles during ozone season</i>
17A	Diesel Retrofits	--	School Buses	<i>Retrofit regional school buses with emissions-reducing devices</i>
17B	Diesel Retrofits	--	State & Local Diesel Vehicles	<i>Retrofit diesel vehicles owned by state or local governments with emissions-reducing devices</i>
17C	Diesel Retrofits	--	Commercial Vehicles Registered in Region	<i>Require emissions-reducing retrofits for commercial diesel vehicles registered in the region</i>
17D	Diesel Retrofits	--	Tax Break for Retrofitting Commercial Vehicles	<i>Offer tax credit for retrofitting commercial vehicles.</i>
18A	Urban Reforestation	--	State & Local Commitment	<i>Implement urban reforestation program</i>
18B	Rooftop Gardens	--	State & Local Commitment	<i>Implement urban rooftop gardening program</i>
19A	Reductions from Local Power Plants	--	MOUs	<i>Negotiate MOUs with power plants in the MWAQC region to reduce emissions below SIP Call levels</i>
19B	Reductions from Local Power Plants	--	Permits	<i>Set permit limits for power plants in the MWAQC region below SIP Call levels</i>
19C	Reductions from Local Power Plants	--	Allowance Purchase	<i>Issue RFQ to purchase NOx allowances from power plants in the region emitting under SIP Call levels, ensuring additional local emission reductions</i>

20A	Employer Parking Cash-Out	--	Voluntary	<i>Implement voluntary program encouraging employers to provide the value of subsidized parking to employees who use alternative commute strategies</i>
20B	Employer Parking Cash-Out	--	Mandatory	<i>Implement program requiring employers to provide the value of subsidized parking to employees who use alternative commute strategies</i>
21	Aircraft Gate Idling Restrictions	--	MOU	<i>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</i>
22A	Enhanced Enforcement of Area Source Regs	--	Open Burning in MD	<i>Take credit for enhanced enforcement of seasonal open burning restrictions in MD</i>
22B	Enhanced Enforcement of Area Source Regs	--	Surface Cleaning	<i>Enhance enforcement of surface cleaning rules</i>
22C	Enhanced Enforcement of Area Source Regs	--	Open Burning in VA	<i>Enhance enforcement of open burning restriction in Virginia</i>
23A	Commuter Parking Tax	--	On Employees	<i>Implement daily tax on employees using commuter parking spaces</i>
23B	Commuter Parking Tax	--	On Employers Providing Subsidized Parking	<i>Implement daily tax on employers providing free or discounted commuter parking spaces</i>
23C	Commuter Parking Tax	--	On Employers With No Transit Benefits	<i>Implement daily tax on employers who do not provide transit benefits to employees</i>
24A	Smart Growth Development	--	State & Local Regulation / Commitment	<i>Implement a Smart Growth program throughout the Washington region</i>
24B	Infill Development	--	State & Local Regulation / Commitment	<i>Implement an infill development program throughout the Washington region</i>

25A	Gas Tax Increase	--	On-Road Gasoline Only	<i>Implement a fuel tax on on-road gasoline</i>
25B	Gas Tax Increase	--	On-Road and Off-Road Gasoline	<i>Raise fuel taxes on on-road and off-road gasoline</i>
25C	Gas Tax Increase	--	On-Road Gasoline and Diesel	<i>Raise fuel taxes on on-road gasoline and diesel</i>
25D	Gas Tax Increase	--	On-Road and Off-Road Gasoline and Diesel	<i>Raise fuel taxes on on-road and off-road gasoline and diesel</i>
26	Market Based Parking Charge at Federal Facilities	--	MOU	<i>Negotiate agreement with federal government to charge market rate for daily parking for all employees</i>
27A	VMT-Based Car Tax	--	Private Vehicles Only	<i>Charge VMT fee for all private vehicles registered or garaged in the region</i>
27B	VMT-Based Car Tax	--	Private and Commercial Vehicles	<i>Charge VMT fee for all vehicles registered or garaged in the region</i>
28A	Graduated Car Tax	--	Higher Tax for Additional Vehicles	<i>Charge higher car tax on each additional vehicle registered by a household</i>
28B	Graduated Car Tax	--	Higher Tax for Vehicles with Low Fuel Efficiency	<i>Charge graduated car taxes based on a vehicle's EPA miles per gallon rating</i>
28C	Graduated Car Tax	--	No Tax on Alternative Fueled Vehicles	<i>Implement region-wide car tax for petroleum-fueled vehicles; alternative-fueled vehicles will be exempt.</i>
28D	Rebate for Purchase of Hybrid or Fuel Efficient Vehicles	--	Voluntary Citizen or Corporate Participation	<i>Issue rebate for purchase and registration of hybrid vehicle in Washington region</i>
29	Enforce On-Road Idling Restrictions	--	State & Local Commitment	<i>Increase enforcement of regional idling restrictions for on-road vehicles</i>

30	Airport Ground Service Equipment Controls	--	MOU	<i>Negotiate MOU with airlines or equipment operators at Washington Dulles and Reagan National to reduce emissions from airport ground service equipment</i>
31A	Clean Fuel Vehicles	--	State & Local Vehicles	<i>Require state & local governments to purchase Clean Fuel Vehicles for their fleets</i>
31B	Clean Fuel Vehicles	--	Commercial Taxi and Transit Fleets	<i>Implement voluntary program to replace old, conventionally-fueled taxis and transit buses with clean-fueled vehicles</i>
32A	Cetane-Enhancing Diesel Additive	--	Highway Engines	<i>Require on-road diesel vehicles to use cetane-enhanced fuel</i>
32B	Cetane-Enhancing Diesel Additive	--	Non-Road Engines	<i>Require non-road diesel vehicles to use cetane-enhanced fuel</i>
32C	Cetane-Enhancing Diesel Additive	--	On-Road and Non-Road Engines	<i>Require on-road and non-road diesel vehicles to use cetane-enhanced fuel</i>
32D	Cetane-Enhancing Diesel Additive	--	Local School Buses	<i>Commit to using purchasing cetane-enhanced diesel fuel in local school buses</i>
33A	Ozone Transport Commission (OTC) Measures	--	Consumer Products	<i>Require reformulation of 80 types of consumer products (e.g. non-stick cooking spray, air freshener, anti-perspirant, windshield washer fluid)</i>
33B	Ozone Transport Commission (OTC) Measures	--	Portable Fuel Containers	<i>Mandates design criteria to reduce evaporation and spillage from portable gas cans (one opening, automatic close)</i>
33C	Ozone Transport Commission (OTC) Measures	--	Architectural & Industrial Maintenance Coatings	<i>Mandates design criteria to reduce evaporation and spillage from portable gas cans (one opening, automatic close)</i>
33D	Ozone Transport Commission (OTC) Measures	--	Mobile Equipment Repair & Refinishing	<i>Reduces VOC content of auto body paint, requires more efficient paint application and cleaning of spray guns</i>

33E	Ozone Transport Commission (OTC) Measures	--	Solvent Cleaning	<i>Regulates technology level and operation of machines used to clean metal parts (electronic components or auto parts)</i>
33F	Ozone Transport Commission (OTC) Measures	--	Additional NOx Controls	<i>Regulates emissions from smaller stationary NOx sources (industrial boilers, cement kilns)</i>
34	"Cash for Clunkers" On-Road Vehicle Program	--	Voluntary Citizen Participation	<i>Fund voluntary program paying car owners to turn in old vehicles for scrappage</i>
35	Traffic Signal Optimization	--	State & Local Commitment	<i>Regularly optimize traffic signals to reduce idling and low-speed emissions</i>
36	Telework Program	--	State & Local Commitment	<i>Telecommuting centers, including marketing activity, consultant support, commuter and employer information and assistance</i>
37	Proximity Commute	--	State & Local Commitment	<i>Encourage employees of the same firm to swap jobs, permitting each to work at a location closer to home</i>
38	Mandatory Employee Trip Reduction Plan	--	State Regulation	<i>Require all regional employers to reduce employee vehicle trips</i>
39	Value Pricing (HOT lanes)	--	State Legislation	<i>Implement value pricing strategies on busy freeways during rush hour</i>
40A	Remote Sensing I/M	--	On-Road Gasoline Vehicles	<i>Begin remote sensing program to exempt clean gasoline vehicles from I/M and require dirty vehicles to undergo reinspection and repair</i>
40B	Remote Sensing I/M	--	On-Road Diesel Vehicles	<i>Begin remote sensing program to exempt clean diesel vehicles from I/M and require dirty vehicles to undergo reinspection and repair</i>

41	Roadside Smoke Testing for Diesel Trucks	--	State Regulation	<i>Require periodic roadside smoke testing at weigh stations in the Washington area</i>
42A	Expand NOx RACT Controls to Adjacent Counties	--	200 km	<i>Take credit for expansion of NOx RACT controls to 200 km outside the nonattainment area</i>
42B	Expand VOC RACT Controls to Adjacent Counties	--	100 km	<i>Take credit for expansion of regional VOC RACT controls to 100 km outside the nonattainment area</i>
42C	Expand OTC Measures to Adjacent Counties	--	100 km	<i>Take credit for expansion of regional OTC measures to 100 km outside the nonattainment area</i>
43	VOC Cap and Trade for Stationary Sources	--	State Regulation	<i>Implement cap and trade program for VOC sources in region.</i>
44A	Clean Air Partners Program	--	State & Local Commitment	<i>Encourage individuals to take voluntary actions to reduce emissions on Ozone Action Days</i>
44B	Commuter Operations Center	--	State & Local Commitment	<i>Provide commuter assistance services, including carpool and vanpool ridematching</i>
44C	Guaranteed Ride Home	--	State & Local Commitment	<i>Provide free rides home in event of unexpected emergency or unscheduled overtime to commuters using public transport</i>
44D	Integrated Rideshare	--	State & Local Commitment	<i>Provide transit, park & ride, and telecenter information to all commuters on a matchlist</i>
45	"Cash for Clunkers" Gas Can Program	--	Voluntary Citizen Participation	<i>Offer incentives for consumers to turn in old gas cans and obtain new ones</i>
46	Airport Emissions Cap	--	MOU	<i>Cap airport emissions and allow MWA and airlines to develop method for achieving reductions</i>

47	Points for Low Emissions in Airport Contract Bids	--	MOU	<i>Sign MOU with MWAA to award extra points to airport contract bidders who pledge to reduce emissions below current levels</i>
48	Low NOx Fuel Oil for Stationary Sources	--	Mandatory	<i>Require oil-burning stationary sources to burn ThermaNOx, a low-NOx No. 2 fuel oil emulsion, during ozone season</i>
49	Parking Impact Fee	--	State Legislation	<i>Levy annual impact fee on every parking space in nonattainment area</i>
50	Purchase Hybrid Vehicles for State and Local Fleets	--	State & Local Commitment	<i>Purchase hybrid vehicles instead of normal LDGVs as part of normal state and local government fleet replacement programs</i>
51	Control Locomotive Idling	--	MOU with Local Commuter Rail	<i>Seek voluntary agreement to reduce idling of locomotives through installation of APUs or other methods</i>
52	Piggyback Truck Freight on Rail	--	MOU with Freight Haulers	<i>Seek voluntary agreement to ship truck freight by rail where feasible.</i>
53	Increase Intermodal Transport	--	MOU with Freight Haulers	<i>Seek voluntary agreements to increase use of intermodal options for freight shipping.</i>
54A	Set Minimum Efficiency Standards	--	State Legislation	<i>Establish minimum efficiency standards for sale of appliances.</i>
54B	Establish Green Building Codes	--	Local Ordinance	<i>Establish efficiency standards for building codes.</i>
54C	Commit to Purchase of Renewable Energy	--	State & Local Commitment	<i>Establish commitments to purchase of renewable energy instead of energy from traditional sources.</i>