

**DRAFT**

**Preliminary Innovative Measures Bundle for 8-hour Ozone SIP (last modified October 12, 2005)**

<b>List #</b>	<b>Measure</b>	<b>Description</b>	<b>Emission Reduction Potential</b>	<b>Feasibility</b>	<b>Cost per Ton</b>	<b>Timeframe (2007 or 2009)</b>	<b>PM2.5 Co-Benefits</b>
<b>On-and Off-Road Vehicle Strategies</b>							
IMB 1	Clean Air Maintenance Initiative: Road Maintenance Contracts	Develop alternative programs for state and local governments (public entities) to reduce on-road and off-road construction and maintenance related emissions. Episodic: no work or idling restrictions. Non-episodic: Control retrofits.	L	L	L (NOx) L/H (VOC)	2007	Yes
IMB 2	Clean Air Construction Initiative: Road Construction Projects	Develop alternative programs for state and local governments (public entities) to reduce on-road and off-road construction and maintenance related emissions. Episodic: no work or idling restrictions. Non-episodic: Control retrofits.	M	L	L (NOx) L/H (VOC)	2007	Yes
IMB 3	Clean Air Construction Initiative: Off-Road Construction Projects	Develop alternative programs for state and local governments (public entities) to reduce on-road and off-road construction and maintenance related emissions. Episodic: no work or idling restrictions. Non-episodic: Control retrofits.	M	L	L (NOx) L/H (VOC)	2007	Yes
IMB 4	Voluntary Diesel Retrofit Program: School Buses	Retrofit diesel school buses.	M	H	H	2005	Yes
IMB 5	Voluntary Diesel Retrofit Program: State Vehicles	Retrofit diesel state vehicles.	M	H	H	2005 PM/2008 NOx	Yes
IMB 6	Voluntary Diesel Retrofit Program: Local Vehicles	Retrofit diesel local vehicles.	L/M	H	H	2005 PM/2008 NOx	Yes
IMB 7	Non-Road Diesel Engine Retrofit Program: Voluntary	Develop voluntary program encouraging retrofit of non-road diesel equipment in public fleets.	L/M	M	M/H	2007	Yes
IMB 8	Retrofit/Repower Locomotives	Provide financial incentives to retrofit or repower locomotives operating in the nonattainment area for cleaner burning diesel or alternative fuels.	L/M	H	?	2007	-
IMB 9	Locomotive Idling Reduction	Support Installation of Idling Reduction Technologies on Locomotives.	L	H	L	2007	-
IMB 10	Enhanced Enforcement of Mobile Source Regulations	Increase smoking vehicle enforcement.	L	H	H	2005	-
IMB 11	Enhanced Enforcement: Bus and Truck Idling	Step-up enforcement of existing regulations to prevent extended bus and truck idling.	L	M	M	2007	Yes
IMB 12	Enhanced Enforcement: On-road Idling	Increase enforcement of regional idling restrictions for on-road vehicles.	L	M	M	2007	-

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<b>Energy Management Strategies</b>							
IMB 13	Energy Efficiency Programs	Increase Adoption of Energy Efficient Technology by Government and the Private Sector with Commensurate Retirement of EGU NOx Allowances.	L	L/H	L	2007	Yes
IMB 14	Energy Efficiency: Energy Efficiency Standards	Establish requirements for minimum energy efficiency, with Commensurate Retirement of EGU NOx Allowances.	L	L	L	2007	Yes
IMB 15	Energy Efficiency: Green Building Code Program	Establish energy efficiency standards for building codes, with Commensurate Retirement of EGU NOx Allowances.	L	L	L	2009	Yes
IMB 16	Energy Efficiency: Ground Source Heat Pump Initiative	Increase Purchases and Installation of Ground Source Heat Pumps in the Public and/or Private Sector, with Commensurate Retirement of EGU NOx Allowances.	L	H	H	2007	Yes
IMB 17	Energy Efficiency: Energy Performance Contracting Program	Increase Use of Energy Performance Contracts in the Public and/or Private sector to Reduce Energy Consumption, with Commensurate Retirement of EGU NOx Allowances.	L	H	H	2007	Yes
IMB 18	Energy Efficiency Programs: LED Traffic Signal Retrofit Program	Increase Use of More Energy Efficient LED Traffic Signals.	L	M	?	2007	Yes
IMB 19	Renewable Energy: Renewable Portfolio Standards	Increase Purchases of Renewable Energy by Government and the Private Sector, with Commensurate Retirement of EGU NOx Allowances.	L	M	H	2007	Yes
IMB 20	Renewable Energy: Solar Photovoltaic Programs	Increase Purchases and Installation of Renewable Energy sources by Government and the Private Sector, with Commensurate Retirement of EGU NOx Allowances. Consider Incentive Programs.	L	H	H	2007	Yes
IMB 21	Renewable Energy: Wind Energy Purchases	Increase Purchases of Renewable Energy by Government and the Private Sector, with Commensurate Retirement of EGU NOx Allowances.	L	L/H	H	2007	Yes
IMB 22	Renewable Energy: Solar Hot Water Heating	Increase Use of Solar Hot Water Heating by Government and the Private Sector, with Commensurate Retirement of EGU NOx Allowances.	L	H	H	2007	Yes

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<b>Planning and Procurement Strategies</b>							
IMB 19	Green Procurement Policy	Establish procurements policies that foster emission reduction (paints, solvents, coatings, asphalt, roofs, building materials, AFVs, EE office equipment, ULSD).	L	M	?	2007	-
IMB 20	Clean Vehicle Purchase Program: State and Local Fleets	Accelerate Adoption of Alternative Fueled Vehicles, including Hybrids. Focus on state and local fleets.	L	M	H	2007	-
IMB 21	Clean Vehicle Purchase Program: Buses	Accelerate Adoption of Clean Vehicles. Consider hybrid and CNG Buses.	M	M	H	2007	-
IMB 20	Smart Growth and Infill Development Programs	Encourage development/redevelopment of land in designated growth areas, encouraging local governments to place greater emphasis on land development near transit stations.	M	L	H	2007	-
IMB 21	Implement Programs to Reduce the Urban Heat Island Effect: Forestry.	Increase Urban Tree Canopy	L	L/M	?	2007	-
IMB 22	Implement Programs to Reduce the Urban Heat Island Effect: Roofs.	Increase Green and Cool Roof Market Penetration	L	L/M	?	2007	-
IMB 23	Implement Programs to Reduce the Urban Heat Island Effect: Pavement.	Increase Cool Pavement Market Penetration	L	L/M	?	2007	-
<b>Episodic Strategies</b>							
IMB 24	Clean Air Partners: Air Quality Action Days	Take a variety of actions on Air Quality Action Days to reduce emissions and improve air quality (target lawnmowers, paints, refueling).	M	H	?	2005	-
IMB 25	Episodic Voluntary Pesticide Application Reduction	Voluntary moratorium on pesticide application on Code Red Air Quality Action Days.	L	L	M/H	2007	-
IMB 26	Episodic Residential Lawn & Garden Equipment Use Restrictions (voluntary)	Encourage restricted use of residential lawn & garden equipment on Code Red Air Quality Action Days.	L	L	L	2007	-
IMB 27	Episodic Commercial Lawn & Garden Equipment Use Restrictions (voluntary)	Encourage restricted use of commercial lawn and garden equipment on Code Red Air Quality Action Days.	L	L	L	2007	-
IMB 28	Episodic No Mow Policy on Code Red Days (voluntary)	Voluntary reduction in mowing on Code Red Days.	L	L	L	2007	-

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IMB 29	Episodic Commercial and Industrial Equipment Use Restrictions (voluntary)	Encourage restricted use of commercial and industrial equipment during Code Red Air Quality Action Days.	L	L	L	2007	-
IMB 30	Episodic Recreational Marine Equipment Use Restrictions (voluntary)	Encourage restricted use of all recreational marine equipment on Air Quality Action Days.	L	L	H	2007	-
IMB 31	Episodic Recreational Marine Idling Restrictions (voluntary)	Encourage reduced idling by recreational marine equipment on Air Quality Action Days.	L	L	H	2007	-
<b>Areas Source Strategies</b>							
IMB 32	Enhanced Enforcement: Environmental Partnerships/Pollution Prevention Initiatives	Voluntary compliance audits, encourage low emitting technology (swap out solvent machines)	L	H	M	2006	-
IMB 33	"Cash for Clunkers" Lawn & Garden Equipment	Offer cash for consumers to turn in lawnmowers or lawn tractors and purchase electric or push mowers. Gasoline lawn equipment exchange program.	L	M	H	2005	-