

Master List of Potential Control Measures for PM SIP (last modified June 8, 2007)			
List #		Measure	Description
Stationary Sources			
S 1		Federal Multipollutant Legislation	Implement Federal Multipollutant Legislation.
S 2		State Multipollutant Legislation	Adopt State Multipollutant Legislation.
S 3		Reductions from EGUs: OTC Model Rule	Adopt OTC Multipollutant Model Rule for EGUs.
S 4		Reductions from EGUs Plant RACT/Technology-Based Approach	Identify and Require Additional Power Plant-Specific Emission Reduction Technologies.
S 5		Reductions from EGUs: Revised Opacity Limits	Lower Opacity Limits for EGUs.
S 6		OTC Model Rule: Distributed Generation Rule	Adopt OTC Model Rule to Require Additional Controls on Distributed Generation Sources.
S 7		OTC Model Rule: Peaking Unit Rule	Adopt OTC Model Rule to Require Additional Controls on EGU Peaking Units.
S 8		OTC Model Rule: ICI Boiler Standards	Adopt OTC Model Rule on Standards for Industrial, Commercial, and Institutional Boilers.
S 9		Control Asphalt Facilities	Require NOx emission limits on asphalt production facilities.
S 10		Control Municipal Solid Waste Incinerators	Adopt OTC Model Rule on RACT Update for MSW Incineration Facilities.
S 11		Episodic Mandatory Facility Reductions	Require mandatory facility reductions on Air Quality Action Days. Require Curtailment Plan.
S 12		Facility Modernization	Encourage Facility Modernization to Reduce Emissions.
S 13		Reductions from EGUs: Improved Start-up and Shut-down Procedures	Improve Start-up and Shut-down Procedures at Power Plants.
S 14		Improved Leak Detection and Repair	Required Improved Leak Detection and Repair at Stationary Sources.
S 15		Low Sulfur Fuel Oil for Stationary Sources	Require Use of Low Sulfur Fuel Oil for Stationary Sources.
S 16		Low Sulfur Coal for Stationary Sources	Low Sulfur Coal for Stationary Sources.
S 17		Reductions from EGUs: Fuel Switch (Coal to Oil, Natural Gas, Biodiesel)	Encourage EGUs to Switch from Coal to Oil, Natural Gas, or Biodiesel.
S 18		Reductions fro EGUs: Coal Washing	Require Coal Washing to Reduce Emissions from EGUs.
S 19		Low NOx Fuel Oil for Stationary Sources	Require oil-burning stationary sources to burn Thermanox, a low-NOx No. 2 fuel oil emulsion, during ozone season.
S 20		Local Hot Spot Mitigation	Local Programs to Mitigate PM Hotspots.
S 21		Emission Budgets and Mitigation Requirements for General Conformity Projects	Establish Emission Budgets and Require Mitigation for Projects Subject to General Conformity.
S 22		Local Cap and Trade Program	Implement cap and trade program for VOC sources in region. Consider California RECLAIM program.
S 23		Statewide Emission Registration Program	Require a mandatory statewide registration program for all NOx and VOC emission sources.
S 24		Emission Reduction Credit Retirement Program	Establish program to retire emission reduction credits for stationary sources.
S 25		Enhanced Enforcement/Rule Compliance at Existing Stationary Sources	Step up enforcement of and compliance with existing rules for emissions control by stationary sources.
S 26		Energy Efficiency Programs	Increase Adoption of Energy Efficient Technology by Government and the Private Sector with Commensurate Retirement of EGU NOx Allowances.
S 27		Energy Efficiency: Energy Efficiency Standards	Establish requirements for minimum energy efficiency, with Commensurate Retirement of EGU NOx Allowances.
S 28		Renewable Energy: Renewable Portfolio Standards	Increase Purchases of Renewable Energy by Government and the Private Sector, with Commensurate Retirement of EGU NOx Allowances.
S 29		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.
S 30		Renewable Energy: Wind Energy Purchases	Increase Purchases of Renewable Energy by Government and the Private Sector, with Commensurate Retirement of EGU NOx Allowances.
S 31		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.
S 32		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.
S 33		Energy Efficiency Programs: LED Traffic Signal Retrofit Program	Increase Use Energy Efficient LED Traffic Signals.
S 34		Energy Efficiency: Green Building Programs	Implement Green Building Programs. Establish energy efficiency standards for building codes, with Commensurate Retirement of EGU NOx Allowances.

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S 35		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.
S 36		Energy Efficiency Programs: LED Street Light Retrofit Program	Increase Use of Energy Efficient LED Street Lights.
S 37		Energy Efficiency: Energy Star Exit Signs	Increase market penetration of Energy Efficient Lighting (EXIT Signs).
S 38		Low-Income Residential Building Efficiency Improvement Program	Provide assistance to low income individuals to improve energy efficiency of residential dwellings.
S 39		Renewable Energy and Energy Efficiency: New Home Construction Requirements	Require that developers offer clean energy and energy efficiency features in new homes.
S 40		Solid Waste Recycling	Increase Recycling Rates to Reduce Trash at MSW Incinerators.
S 41		Upwind Chemical Industry Controls	Reduce upwind NOx emissions limits in the manufacture of chemicals.
S 42		Upwind NOx Controls: Expand NOx RACT to Upwind Counties	Expand NOx RACT Requirements to Upwind Counties.
S 43		Upwind SO2 Controls: Expand SO2 RACT to Upwind Counties	Expand SO2 RACT to Upwind Counties
S 44		Upwind Metallurgical Industry Controls: Iron and Steel	Control Upwind Iron and Steel Production Emissions.
S 45		Upwind Metallurgical Industry Controls: Lead	Control Upwind Lead Smelter Emissions.
S 46		Upwind Metallurgical Industry Controls: Aluminum	Control Upwind Aluminum Production Emissions.
S 47		Upwind Metallurgical Industry Controls: Zinc/Copper	Control Upwind Zinc/Copper Smelter Emissions.
S 48		Upwind Mineral Products Industry Controls: Lime	Control Upwind Lime Facility Emissions.
S 49		Upwind Mineral Products Industry Controls: Phosphate	Control Upwind Phosphate Rock Plant Emissions.
S 50		Upwind Forest Product Industry Controls	Control Upwind Wood, Paper and Pulp Production Emissions.
S 51		Upwind VOC Controls: Plant-by-Plant BACT Controls	Identify and Require Additional Facility-Specific Emission Reduction Technologies.
S 52		Upwind VOC Controls: Expand VOC RACT to Upwind Counties	Expand VOC RACT Requirements.
S 53		Upwind NOx Controls: Plant-by-Plant BACT Controls	Identify and Require Additional Facility-Specific Emission Reduction Technologies.
S 54		Upwind SO2 Controls: Plant-by-Plant BACT Controls	Reduce Upwind SO2 Emissions by Requiring Facility-Specific Controls.
S 55		Upwind RACT Update: Refineries	Update RACTs for Refineries in Upwind Contributing Areas.
S 56		Control Portland Cement Facilities	Adopt OTC Model Rule on RACT Update for Portland Cement Facilities.
S 57		Mineral Products Industry Controls: Glass and Fiberglass	Control Glass and Fiberglass Facility Emissions.
S 58		Control VOC Emissions from Chemical Manufacturing	Chemical Manufacturing: More stringent standards on the manufacture of polystyrene, formica, polyester resin, wood and paper, other polymers, pharmaceuticals, paints, varnishes, soaps, detergents, inks, solvents, fuel additives, acids, fertilizers, and resins.
Area Sources			
A 1		Expand Seasonal Open Burning Restrictions	Expand prohibitions on seasonal open burning.
A 2		Control Residential Wood Burning	Implement voluntary program to reduce emissions from wood-burning fireplaces, wood stoves, and outdoor wood boilers. Set maximum moisture content for firewood sales.
A 3		Home Heating Oil Standards	Adopt Sulfur Standards for Home Heating Oils.
A 4		RACT Update: Control Industrial Incineration	Implement programs to reduce emissions from industrial incineration.
A 5		Control Wastewater Treatment Facilities	Require capture and control of VOC emissions from facilities treating industrial wastewater and domestic sewage. Adopt SCAQMD Rule 1176: Sumps and Wastewater Separators.
A 6		Low-Emission Asphalt	Adopt SCAQMD Rules 1108: Cutback Asphalt (less than 0.5% VOC evaporating at 260F) and 1108.1: Emulsified Asphalt (less than 3% VOC evaporating at 260F).
A 7		Expand Coverage of OTC AIMs Rule (Phase II)	Expand Number of Products Covered by OTC AIMs Rule. Require Lower VOC Content of Products Already Covered.

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A 8		Green Procurement Policy	Establish procurement policies that foster emission reduction (paints, solvents, coatings, asphalt, roofs, building materials, AFVs, EE office equipment, ULSD).
A 9		Control Growth and Development: Land Use Restrictions	Implement land use restrictions to control residential, commercial, and industrial development in the nonattainment area.
A 10		Control Growth and Development: Mitigate New Development	Mitigate emissions from new development.
A 11		Implement Programs to Reduce the Urban Heat Island Effect: Forestry.	Increase Urban Tree Canopy
A 12		Implement Programs to Reduce the Urban Heat Island Effect: Roofs.	Increase Green and Cool Roof Market Penetration
A 13		Implement Programs to Reduce the Urban Heat Island Effect: Pavement.	Increase Cool Pavement Market Penetration
A 14		Expand Stage I Vapor Recovery	Expand Requirements for Stage I Vapor Recovery to Upwind Counties.
A 15		Expand Stage II Vapor Recovery	Expand requirements for Stage II Vapor Recovery to Upwind Counties.
A 16		Upwind Fuels Controls	Expand Use of Reformulated Gasoline to Upwind Counties. Consider OTC Regional Fuels Initiative.
A 17		Expand OTC Consumer Products Rule	Expand OTC Consumer Product Rule to Upwind Counties.
A 18		Expand OTC Mobile Equipment Repair and Refinishing Rule	Expand OTC Mobile Equipment Repair and Refinishing Rule to Upwind Counties.
A 19		Expand OTC Portable Fuel Containers Rule	Expand OTC Portable Fuel Containers Rule to Upwind Counties.
A 20		Expand OTC Solvent Cleaning Rule	Expand OTC Solvent Cleaning Rule to Upwind Counties.
A 21		Expand OTC AIMs Rule	Expand OTC AIMs Rule to Upwind Counties.
A 22		Expand OTC Adhesives and Sealants Rule	Expand OTC Adhesives and Sealants Rule to Upwind Counties.
A 23		Control Upwind Port Emissions	Pursue approaches to reduce land-based port emissions.
A 24		Control Restaurant Sources	Implement programs to reduce emissions from restaurants, including charbroil operations and deep fat fryers.
A 25		Control Bakeries	Adopt SCAQMD Rule 1153: Commercial Bakery Ovens. Reduce exemption level and set standards for unregulated bakeries.
A 26		Control Livestock and Poultry Farms: Reduce Ammonia Emissions from Livestock and Poultry Farms	Require Livestock and Poultry Farms to Reduce Ammonia Emissions.
A 27		Control Agricultural Sources	Encourage agricultural best practices, including those that reduce pesticide use.
A 28		Control Landfills and Wastewater Facilities	Reduce the NOx and VOC emission limits for flares.
A 29		Control Drycleaning Facilities	Ban transfer systems in Petroleum Dry Cleaning.
A 30		Control Fermentation Sources (wineries/breweries)	Reduce evaporative VOC emissions from the fermentation process at wineries and/or breweries.
A 31		Control VOC Emissions from Fuel Facilities	Reduce the VOC emission limits for bulk plants/terminal, including storage tanks. Adopt SCAQMD Rule 1178: Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities.
A 32		Control VOC Emissions from Construction and Maintenance	Reduce VOC emissions from roofing kettles.
A 33		Low-Emission Natural Gas Water Heaters	Adopt SCAQMD Rule 1121: Control of NOx from Residential Type Natural Gas Fired Water Heaters.
A 34		Low-Emission Natural Gas Furnaces	Adopt SCAQMD Rule 1111: NOx Emissions from Natural Gas Fired, Fan-Type Central Furnaces (no more than 40 nanograms of NOx per joule of useful heat).
A 35		Fuel Switch: Oil to Natural Gas or Electricity for Hot Water Heaters	Encourage Purchase of Hot Water Heaters that Use Natural Gas or Electricity.
A 36		Fuel Switch: Oil to Natural Gas for Furnaces	Encourage Purchase of Furnaces that Use Natural Gas.
A 37		"Cash for Clunkers" Gasoline Containers Replacement Program	Accelerate the Replacement of Older Gasoline Cans with CARB Compliant Containers. Offer incentives for consumers to turn in old gas cans and obtain new ones.
A 38		Enhanced Enforcement of Area Source Regs: Open Burning	Enhance enforcement of seasonal open burning restrictions.
A 39		Enhanced Enforcement of Area Source Regs: Solvent Cleaning	Enhance enforcement of surface cleaning rules.
A 40		Enhanced Enforcement: Environmental Partnerships/Pollution Prevention Initiatives	Voluntary compliance audits, encourage low emitting technology (swap out solvent machines)

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A	41	Mitigation Fees: Preempted Sources	Charge emission mitigation fee to federally preempted sources.
A	42	Government Actions (Air Quality Action day similar to snow day)	Implement a liberal leave policy for local, state and federal employees on Air Quality Action Days, permitting employees to work from home or take unscheduled leave.
A	43	Clean Air Partners: Public Outreach and Education	Implement Strategic Communication Campaigns to Increase Public Awareness (target lawnmowers, paints, refueling).
A	44	Local Government Education Campaign	Encourage local governments to adopt Air Quality Action Day policies (target lawnmowers, paints, refueling).
A	45	Mass Marketing Campaign	Marketing effort involving business-to-business advertising campaign in print media and on world wide web.
A	46	Public Outreach and Education: Fueling	Educate to improve fueling practices.
A	47	Public Outreach and Education: Sources	Public Education on NOx and ROG sources in Schools and Small Businesses.
A	48	Episodic limits on asphalt paving and traffic marking activities	Prohibit road paving and traffic marking on Air Quality Action days.
A	49	No Fuel Policy on Air Quality Action Days	Voluntary reduction in fueling activities on Air Quality Action Days.
A	50	Episodic Pesticide Application Ban	Ban pesticide application on Code Red Air Quality Action Days.
A	51	Episodic Voluntary Pesticide Application Reduction	Encourage voluntary restrictions on pesticide application on Code Red Air Quality Action Days.
A	52	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).
Non-road Sources			
N	1	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.
N	2	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.
N	3	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.
N	4	Clean Air Construction Initiative: Preference for Low-emissions Industrial Equipment	In bids for government contracts, award extra points to bidders using low-emission industrial equipment.
N	5	Control Construction Emissions	Limitations and Fleet Rules for Construction Equipment.
N	6	Non-Road Diesel Engine Retrofit Program: Voluntary	Develop voluntary program encouraging retrofit of non-road diesel equipment in public and/or private fleets.
N	7	Non-Road Diesel Engine Retrofit Program: Mandatory	Develop mandatory program requiring retrofit of non-road diesel equipment in public and/or private fleets.
N	8	Retrofit/Repower Locomotives	Provide financial incentives to retrofit or repower locomotives operating in the nonattainment area for cleaner burning diesel or alternative fuels.
N	9	Locomotive Idling Reduction	Support Installation of Idling Reduction Technologies on Locomotives.
N	10	Control Off-Road Diesel Engines (smoke test)	Implement mandatory smoke testing program for heavy-duty (>50 hp) off-road diesel engines.
N	11	Construction Dust Control: Mitigation Requirements	Require Dust Mitigation at Construction Sites.
N	12	Local Hot Spot Mitigation	Local Programs to Mitigate PM Hotspots.
N	13	Airport Emission Cap	Establish Agreement with Airports Authority to Cap or Reduce Emissions.
N	14	Airport Emissions Cap in Upwind Counties	Voluntary Agreement to Cap Airport Emissions Outside the Nonattainment Area.
N	15	Airport Electric GSE	Subsidize adoption of electric ground service equipment.
N	16	Airport GSE Retrofits	Subsidize the retrofit of airport ground service equipment.
N	17	Airport GSE Idling Controls	Develop voluntary program to encourage operators to limit idling of airport ground service equipment.
N	18	Airport APU Initiatives	Seek voluntary agreement to reduce use of aircraft APUs through use of gate-provided services or other strategies
N	19	Locomotive Engine Standards	Encourage new federal locomotive engine emission standards (EPA 2012)
N	20	Marine Diesel Engine Standards	Encourage new federal marine engine emission standards (EPA 2012).

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N 21	Control Off-Road Diesel Engines (Blue Sky)	Encourage the use of engines that are included in EPA's voluntary "Blue Sky Series" engine program.
N 22	Control Spark Ignition Engines	Retrofit controls and 3-way catalyst for spark ignition engines.
N 23	Industrial Equipment Replacement	Replace fossil-fuel fired industrial equipment with electric industrial equipment.
N 24	Industrial Equipment Retrofits	Require industrial equipment to be retrofitted with emissions controls.
N 25	Low-emissions Commercial and Industrial Equipment	Require sale of low-emissions commercial and industrial equipment in region.
N 26	Idling Restrictions for Commercial and Industrial Equipment	Limit idling by commercial and industrial equipment.
N 27	Control Light Commercial Equipment	Require zero emission forklifts where feasible.
N 28	Light Commercial Equipment Retrofits	Require light commercial equipment to be retrofitted with emissions controls.
N 29	Control Light Commercial Equipment	Retrofit portable engines and generators with emission control devices.
N 30	Recreational Equipment Retrofits	Require recreational equipment to be retrofitted with particulate filters and/or oxidation catalysts.
N 31	Control Recreational Marine Emissions	Provide incentives for newer boats and engines.
N 32	Idling Restrictions for Lawn & Garden Equipment	Limit idling by commercial lawn & garden equipment.
N 33	Agricultural Equipment Retrofits	Require agricultural equipment to be retrofitted with emissions controls.
N 34	Agricultural Equipment Use Restrictions	Ban use of agricultural equipment on Air Quality Action Days.
N 35	Low-emissions Agricultural Equipment	Require sale of low-emissions agricultural equipment in region.
N 36	Control Commercial Marine Sources	Tug/Push Boat Activity Reductions.
N 37	Agricultural Dust Control	Control Dust from Agricultural Operations.
N 38	Industrial and Commercial Dust Control	Control Dust from Commercial and Industrial Operations.
N 39	Low Sulfur Fuel for Off-Road Applications	Require Low-Sulfur Fuel for Off Road Applications.
N 40	Purchase Natural Gas Off-Road Equipment	Encourage Purchase Natural Gas Off-Road Equipment.
N 41	Biodiesel for Off-Road Equipment	Increase use of biodiesel in off-road diesel equipment during ozone season.
N 42	High Cetane Fuel	Require High Cetane Diesel Fuel for Off-road Vehicles.
N 43	Require low-NOx fuel for recreational equipment	Require recreational equipment to use low-NOx fuel additives during ozone season.
N 44	Low-NOx Fuel for Lawn & Garden Equipment	Require diesel-fired lawn & garden equipment to use low-NOx fuel additives during ozone season.
N 45	Low-NOx Fuel for Recreational Marine Equipment	Require diesel-fired recreational marine equipment to use low-NOx fuel additives during ozone season.
N 46	Require Low-NOx Fuel for Airport GSE	Require airport GSE to use low-NOx fuel additives during ozone season.
N 47	Require Low-NOx Fuel for Industrial Equipment	Require industrial equipment to use low-NOx fuel additives during ozone season.
N 48	Require Low-NOx Fuel for Light Commercial Equipment	Require light commercial equipment to use low-NOx fuel during ozone season, if applicable.
N 49	Episodic Low-NOx Fuel for Construction Equipment	Require diesel-fired construction equipment operating in region to use low-NOx fuel additives during ozone season.
N 50	Episodic Low-NOx Fuel for Construction Equipment	Require diesel-fired construction equipment operating on state or local government contracts to use low-NOx fuel additives during ozone season.
N 51	Episodic Low-NOx Fuel for Construction Equipment	Voluntary use of low-NOx fuel additives by diesel-fired construction equipment during ozone season.
N 52	Control Recreational Equipment Emissions	Increase registration fee on recreational vehicles (dedicate fee to clean air fund).
N 53	Control Upwind Port Emissions	Emission Fee Program for Port-Related Mobile Sources
N 54	Graduated registration fees for recreational boats	Levee additional registration fee for registration of boats with old, high-emission engines.
N 55	Airport Congestion Pricing	Charge higher aircraft landing fees during busy times of day to reduce airport delays and congestion.
N 56	Gas Tax Increase	Implement a fuel tax on off-road gasoline.
N 57	Diesel Tax Increase	Implement a fuel tax on off-road diesel.
N 58	Episodic Restrictions on Lawn & Garden Equipment (mandatory)	Restrict use of lawn and garden equipment during Air Quality Action days.
N 59	Episodic Restrictions on Recreational Equipment Use (mandatory)	Restrict use of recreational equipment during Air Quality Action days.
N 60	Episodic Restrictions on Use of Commercial and Industrial Equipment (mandatory)	Restrict use of commercial and industrial equipment during Air Quality Action Days.
N 61	Episodic Commercial Lawn & Garden Equipment Use Restrictions (voluntary)	Encourage restricted use of commercial lawn and garden equipment on Air Quality Action Days.
N 62	Episodic Residential Lawn & Garden Equipment Use Restrictions (voluntary)	Encourage restricted use of residential lawn & garden equipment on Air Quality Action Days.

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N	63	Episodic Commercial and Industrial Equipment Use Restrictions (voluntary)	Encourage restricted use of commercial and industrial equipment during Air Quality Action Days.
N	64	Episodic No Mow Policy on Code Red Days (voluntary)	Voluntary reduction in mowing on Code Red Days.
N	65	Episodic Recreational Marine Equipment Use Restrictions (mandatory)	Ban use of recreational marine equipment on Code Red Air Quality Action Days.
N	66	Episodic Recreational Marine Equipment Use Restrictions (voluntary)	Encourage restricted use of all recreational marine equipment on Air Quality Action Days.
N	67	Episodic Recreational Marine Idling Restrictions (mandatory)	Ban idling by recreational marine equipment on Code Red Air Quality Action Days.
N	68	Episodic Recreational Marine Idling Restrictions (voluntary)	Encourage reduced idling by recreational marine equipment on Air Quality Action Days.
N	69	Episodic Recreational Marine Idling Restrictions (mandatory)	Ban idling by recreational marine equipment during ozone season.
N	70	Recreational Marine Idling Restrictions	Ban idling by recreational marine equipment year-round.
N	71	"Cash for Clunkers" 2-cycle Engines	Implement a 2-cycle Engine Replacement Program.
N	72	"Cash for Clunkers" Lawn & Garden Equipment	Offer cash for consumers to turn in lawnmowers or lawn tractors and purchase electric or push mowers.
N	73	"Cash for Clunkers" Outboard Motors	Offer cash for consumers to turn in old outboard motors and purchase new ones.
N	74	"Cash for Clunkers" Recreational Equipment Program	Offer cash for owners to turn in old, high-emission recreational equipment.
N	75	"Cash for Clunkers" Construction Equipment Program	Offer Cash to Construction Equipment Owners to Retire Old High Emitting Construction Equipment.
N	76	Control Emissions from Lawn and Garden Equipment (xeriscaping)	Adopt measures to reduce lawn area and mower usage. Xeriscaping.
N	77	Agricultural Equipment Use Restrictions (voluntary)	Voluntary moratorium on use of agricultural equipment on Air Quality Action Days.
N	78	Low Maintenance Landscape Initiative	"Lawn Care for Cleaner Air": increase use of low maintenance landscapes.
Mobile Sources			
M	1	Voluntary Diesel Retrofit Program: Local Vehicles	Retrofit diesel local vehicles.
M	2	Voluntary Diesel Retrofit Program: Commercial Vehicles	Retrofit diesel commercial vehicles.
M	3	Voluntary Diesel Retrofit Program: School Buses	Retrofit diesel school buses.
M	4	Voluntary Diesel Retrofit Program: State Vehicles	Retrofit diesel state vehicles.
M	5	Voluntary Diesel Retrofit Program: International Green Diesel Retrofit	Fit transit buses running on ultra low sulfur diesel with a quad-catalytic filter.
M	6	Low-emission Vehicle Purchase Program: Buses	Accelerate adoption of low-emission vehicles. Consider hybrid and CNG buses.
M	7	Low-emission Vehicle Purchase Program: Refuse Haulers	Accelerate Adoption of Low-emission Vehicles. Consider CNG refuse haulers instead of new diesel.
M	8	Low-emission Vehicle Purchase Program: State and Local Fleets	Accelerate adoption of low-emission vehicles, including hybrids. Focus on state and local fleets.
M	9	Low-emission Vehicle Purchase Program: Private Owners Fleet	Accelerate adoption of low-emission vehicles. Consider use of tax incentives.
M	10	Low-emission Vehicle Purchase Program: Transit Buses	Accelerate Adoption of Low-emission Vehicles. Target transit bus fleets.
M	11	Low-emission Vehicle Purchase Program: Rental Cars	Accelerate Adoption of Low-emission Vehicles. Target rental car fleets.
M	12	Low-emission Vehicle Purchase Program: Taxicabs	Accelerate Adoption of Low-emission Vehicles. Target taxicab fleets.
M	13	Electric Vehicle Tax Incentives	Establish incentives to purchase electric vehicles.
M	14	OTC Corridor Strategy	Implement truck stop electrification projects and Heavy-Duty Engine Engine Control Module (ECM) Recalibration (chip reflash) along the I-95 corridor.
M	15	Truck Idling Reduction: Truck Stop Electrification (TSE)	Implement projects to electrify truck stops.
M	16	Truck Idling Reduction: Auxilliary Power Units (APU)	Increase market penetration of APUs to reduce truck idling.
M	17	Promote Installation of Anti-idling Technology	Tax Incentives for Purchase and Installation of Anti-Idling Devices.

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M 18	Control Bus Emissions	Provide electrified parking spaces or APUs for tour buses.
M 19	CAL LEV II Standards	Adopt CAL LEV II Standards, which will require increased zero emission vehicles with marginal VOC and CO2 reductions in 2010.
M 20	Expand Remote Sensing Program	Expand the Adoption of a Remote Sensing Program to Maryland and the District of Columbia.
M 21	Control Heavy Duty Diesel Engines	Heavy-duty engine Engine Control Module (ECM) recalibration (chip reflash).
M 22	Zero I/M waivers and exemptions	Eliminate all waivers and exemptions in the I/M program.
M 23	Motorcycle I/M Program	End the motorcycle smog check exemption.
M 24	Diesel I/M Program	Perform community-based inspections of trucks and buses.
M 25	Expand I/M Requirements to Upwind Counties	Expand Inspection and Maintenance Requirements.
M 26	Mandatory Diesel Retrofit Program: Public Fleets	Require retrofit of on-road diesel vehicles in public fleets.
M 27	Mandatory Diesel Retrofit Program: Private Fleets	Require retrofit of on-road diesel vehicles in private fleets.
M 28	On-road Heavy-Duty Diesel Smoke Testing and I/M Program	Implement a smoke testing and/or Inspection/Maintenance Program for on-road heavy-duty diesel engines.
M 29	Low-Income Repair Assistance Program	Provide Assistance to Low Income Individuals to Repair Vehicles.
M 30	Roadway Dust Control: Street Sweepers	Control Roadway Dust Through Use of Street Sweepers.
M 31	Roadway Dust Control: Wider Shoulders	Control Roadway Dust by Requiring Wide Shoulders.
M 32	Roadway Dust Control: Construction Trackout Mitigation Requirements	Control Roadway Dust by Mitigating Trackout from Road Construction Sites.
M 33	Local Hot Spot Mitigation	Local Programs to Mitigate PM Hotspots.
M 34	CNG Fuel	Expand use of CNG fuel for on-road vehicles.
M 35	Biodiesel Fuel	Expand Use of Biodiesel Fuel for On-road Vehicles.
M 36	Ethanol Fuel	Expand Use of Ethanol Fuel for On-road Vehicles.
M 37	Hydrogen Fuel Initiative	Promote the Use of Hydrogen as Alternative On-Road Transportation Fuel.
M 38	Low-Sulfur On-Road Diesel Fuel	Require Use of Low-Sulfur On-Road Diesel Fuel
M 39	Low-Sulfur On-Road Gasoline Fuel	Require Use of Low-Sulfur On-Road Gasoline Fuel
M 40	Fuel Additives to Reduce NOx and SO2 Emissions	Use fuel in diesel-burning heavy duty vehicles.
M 41	High Cetane Fuel	Require high-Cetane diesel fuel for on-road vehicles.
M 42	Low-NOx Diesel Fuel	Require regional use of low-NOx fuel additives for on-road diesel vehicles
M 43	Low-NOx On-Road Diesel Fuel in Ozone Season	Require use of low-NOx additive in on-road diesel fuel during ozone season.
M 44	Low-NOx On-Road Diesel Fuel in Ozone Season	Require use of low-NOx additive by state or local diesel vehicles during ozone season.
M 45	CARB Diesel Fuel	Implement CARB Diesel Fuel Standards.
M 46	Incentives for Alternative Fuels	Provide Tax Incentives to Encourage Wider Use of Alternative Fuels.
M 47	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 48	Incentives for Mixed Use at Transit Centers	Include incentives for mixed-use development at transit centers to reduce sprawl and VMT.
M 49	Infill Development	Implement an infill development program throughout the Washington region.
M 50	Convenience Commercial Centers in Residential Areas	Change zoning ordinances to allow neighborhood-serving retail establishments in residential areas.
M 51	Control Growth and Development	Encourage mixed-use development.
M 52	Proximity Commute: Job Swap	Encourage employees of the same firm to swap jobs, permitting each to work at a location closer to home.
M 53	Proximity Commute: Live Near Your Work	Provides financial incentives to homebuyers moving to designated neighborhoods near their workplaces.
M 54	Telecommuting Centers and Telework Program	Telecommuting centers, including marketing activity, consultant support, commuter and employer information and assistance.
M 55	Telecourses at Local Colleges and Universities	Encourage local colleges and universities to offer telecourses to reduce vehicle trips.
M 56	Safe Routes to School Program	Implement a safe pedestrian and bicycle routes to school program to reduce VMT.

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List #	Measure	Description
M 57	Commuter Operations Center	Provides commuter assistance services, including carpool and vanpool ridematching.
M 58	Guaranteed Ride Home	Provides free rides home in event of unexpected emergency or unscheduled overtime to commuters using public transport.
M 59	Access to Jobs Program	Identifies gaps in transit service between places of residence and places of work for low wage workers.
M 60	Integrated Rideshare	Provides transit, park & ride, and telecenter information to all commuters on a matchlist.
M 61	Interactive Rideshare Kiosks	Transportation Information Kiosks in Maryland, Virginia and the District of Columbia.
M 62	Vanpool Programs	Create programs and incentives designed to increase the number of vanpools in the region.
M 63	Free Parking for Carpools/Vanpools	Provide free reserved parking spaces for all carpools or vanpools.
M 64	Employer Metro Shuttle Bus Services	Provide incentives for businesses to provide employee shuttle service to the nearest rail or transit stop.
M 65	Improvements to Bicycle and Pedestrian Access	Provide incentives to developments that speed improvements to bicycle/pedestrian access. This includes improvements to sidewalks, curb ramps, crosswalks, lighting, etc.
M 66	Bicycle Racks in DC	Install bicycle racks at various locations throughout the region.
M 67	Bike Lockers at Metro Stations, Park & Ride Lots, Other Locations	Expand existing bike lockers at Metrorail stations, install bicycle storage spaces in parking lots.
M 68	Bike Racks on Transit Buses	Provide external bike racks on WMATA and other local transit buses.
M 69	Bike to Work Day	Conduct a one-day bike to work event. Provide outreach activities, education on the bike-to-work option, and assistance in trying bike-to-work.
M 70	Bike/Pedestrian Paths	Fund construction of additional bicycle/pedestrian paths in the region.
M 71	Employers Provide Free Bicycles for Midday Use	Require employers to provide one bicycle per 50 employees for mid-day business or personal use.
M 72	Car Sharing Program	Fund incentives for new car sharing customers (i.e., Flexcar or Zipcar services).
M 73	Vehicle Share Programs: Transit Stations	Develop a transit station car/low emission vehicle share program.
M 74	Vehicle Share Programs: Neighborhoods	Implement a neighborhood electric vehicle share program.
M 75	Clean Commute/Try Transit Week	Promotes use of alternative transportation, including transit, by daily commuters for one week per year.
M 76	Student & staff based college & university rideshare programs	Create rideshare program focused on students and staff at regional universities.
M 77	Establish Restricted Zones in Downtown Areas and Transit Centers	Restrict private vehicle use in certain areas during business hours, encouraging pedestrian, bicycle, and transit use.
M 78	4 Day Work Week/Flexible Work Schedules	Encourage employers to adopt a shorter work week, with employees working 4 10-hour days.
M 79	Expand Peak Period Metrorail Service	Extend peak-period service on Metrorail so trains run more frequently between 6-11 am and 3-8 pm.
M 80	Expand VRE Train Service	Expand VRE train service to include additional departures.
M 81	Support Rail to Dulles and BWI Airports	Provide funding to expand metro rail services to Dulles and BWI airports.
M 82	Increase Commuter Rail Frequency	Increase frequency of MARC service to every 15 minutes on Penn and Camden lines and every 10 min on the Brunswick line. Increase VRE frequency to every 15 minutes.
M 83	Provide Additional Transit Service to Core	Increase funding for transit services to expand core service.
M 84	Provide Additional Transit Service Access	Increase funding for enhancing access to transit services.
M 85	Regional Bus Service Expansion	Expansion of Metrobus and other regional bus services.
M 86	Express Buses From Outlying Areas	Implement direct bus service from outlying Park & Ride lots and far suburbs to major work centers.
M 87	Express Reverse Commuter Buses	Implement reverse commute express buses from the District to major outlying work centers.
M 88	New Surface Parking at Transit Centers	Add new parking spaces at transit centers (bus, Metrorail, MARC, VRE) parking lots.
M 89	Build Park & Ride Lots at Major Intersections of Commuter Highways	Construct new park & ride commuter lots along HOV facilities.
M 90	Shorter Distance from Buildings to Bus Stops	For existing buildings, re-route traffic to allow buses to come closer to the building. For new buildings, alter setback requirements to allow closer bus access.
M 91	New MARC Coaches	Purchase additional coaches for MARC to accommodate increased ridership.

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List #	Measure	Description
M 92	Additional Transit Stores	Establish additional stationary transit stores in the region.
M 93	ATM Machines Installed at Metro Stations	Install ATMs near metro stations for rider convenience.
M 94	Traffic Signal Optimization	Regularly optimize traffic signals to reduce idling and low-speed emissions.
M 95	Transit Prioritization -- Queue Jumps	Provide queue jumps for buses at over-capacity signalized intersections throughout the region. Queue jumps allow buses to use a shoulder or other designated lane to bypass intersection queues and move forward towards the stop line.
M 96	Manage Roadway Usage: Traffic Incident Management	Regional Travel Information System/Driver Assistance. Enhance real time traffic information to allow drivers to make better decisions about when and where to travel.
M 97	Replace Traffic Signals with Lesser Controls	Install roundabouts in place of signals at low volume intersections.
M 98	Signals to Flashing Yellow 12am-5am	From midnight until 5am, set intersection signals to flashing yellow in predominant direction and flashing red in minor direction for all low volume intersections where safety permits.
M 99	Extend Ramp Metering	Install signals to control flow of vehicles at selected freeway ramp entrances to maintain level of service.
M 100	Expand HOV Network on the Freeway System	Construct additional HOV lanes on regional freeways.
M 101	Manage Roadway Usage: Dedicated Bus Lanes	Dedicate roadway lanes for use by buses.
M 102	Gas Tax Increase	Implement a fuel tax on on-road gasoline.
M 103	Diesel Tax Increase	Implement a fuel tax on on-road diesel.
M 104	Value Pricing (HOT lanes)	Implement value pricing strategies on busy freeways during rush hour.
M 105	Green Curb Initiative	Restricted Access/ "Green Curb". Differential fees and access permits applied during periods of high congestion. Target delivery/loading zones and carpool/vanpool pickup areas.
M 106	Congestion Pricing on Low Occupancy Vehicles	Impose a fee on vehicles containing two or fewer persons that use designated roadways, tunnels, and bridges during the peak AM periods.
M 107	Establish Clean Air Fund	Sell Clean Air License Plates to fund air quality programs (similar to "Save the Bay" tags).
M 108	Electronic Tolling	Expand interoperability of electronic tolling systems.
M 109	Annual Gasoline Vehicle Pollution Fee	Levy an annual fee on petroleum-powered vehicles based on mileage driven and emission rates (odometer tax).
M 110	VMT-Based Car Tax	Charge VMT fee for all vehicles registered or garaged in the region.
M 111	Graduated Car Tax: Additional Vehicles	Charge higher car tax on each additional vehicle registered by a household.
M 112	Graduated Car Tax: Miles Per Gallon	Charge graduated car taxes based on a vehicle's EPA miles per gallon rating.
M 113	Graduated Car Tax: Petroleum-Based Vehicles only	Implement region-wide car tax for petroleum-fueled vehicles.
M 114	Graduated Vehicle Registration Fee Based on Number of Vehicles	Assess graduated vehicle registration fee/car tax on every privately owned vehicle in the region. Households with multiple vehicles pay higher tax on each additional vehicle.
M 115	Pay-as-you-drive auto insurance (\$/gal)	Offer auto insurance rates linked to number of gallons of fuel consumed by vehicle.
M 116	Mobile Source Mitigation Fees: Vehicle Garage	Collect a fee from each homeowner with a vehicle garage.
M 117	Mobile Source Mitigation Fees: Ozone Season VMT Surcharge	Require a surcharge to be paid by drivers during the summer season based on the number of driving miles.
M 118	Area Pricing: Entry Fees	Collect fees from drivers to enter a pre-defined area.
M 119	Commuter Parking Tax: Employees	Implement daily tax on employees using commuter parking spaces.
M 120	Commuter Parking Tax: Employers with No Discounted Commuter Parking Spaces	Implement daily tax on employers providing free or discounted commuter parking spaces.
M 121	Commuter Parking Tax: Employers with No Transit Benefits	Implement daily tax on employers who do not provide transit benefits to employees.
M 122	Market Based Parking Charge at Federal Facilities	Negotiate agreement with federal government to charge market rate for daily parking for all employees.
M 123	Parking Impact Fee: All Parking	Levy annual impact fee on every parking space in nonattainment area.

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List #	Measure	Description
M 124	Parking Impact Fee: Commuter Parking	Levy an annual fee on every commuter parking space in the Washington nonattainment area.
M 125	Tax Parking Spaces Above Code Minimum	Discourage developers from providing parking in excess of code minimum by imposing a graduated tax on excess spaces.
M 126	Episodic Parking Fee Increases	Increase fees for parking garages and meter during episodes.
M 127	Universal Transportation Access	SmarTrip card will allow users to pay fares on all rail and bus systems in the region (including parking in Metrorail lots) using one electronic card.
M 128	Commuter Choice - State & Local Government Employees	Provide the region's local, state and municipal employees with transit benefits.
M 129	Reduce Parking Fees at Facilities Outside the Beltway Adjacent to Metro	Reduce parking fees at Metro parking facilities or county/city managed facilities outside of the Beltway that are located near Metro stations.
M 130	Metrorail Feeder Bus Service & Fare Buydown	Improve Metrorail feeder bus service at underutilized park & ride lots, implement fare buydown program.
M 131	Flat Fare For All Transit Trips	Single price all public transit services with free transfers all day, 7 days per week.
M 132	Subsidize Transit Usage	Expand MetroChek to all public sector employees
M 133	Free Bus Service Off-Peak	Institute free off-peak bus service from 10-2 on weekdays and all day on weekends.
M 134	Free bus-to-rail / rail-to-bus transfers	Institute free bus-to-rail transfer similar to free rail-to-bus transfer currently in place.
M 135	Free Rail Use 10-3	Free Metrorail trips for all riders from 10AM-3PM on weekdays.
M 136	Employer Parking Cash-Out: Voluntary	Implement voluntary program encouraging employers to provide the value of subsidized parking to employees who use alternative commute strategies.
M 137	Free Transit Passes to Students	Free transit passes for high school and college students, subsidized by schools or through student registration fee.
M 138	Half Price Fares on Feeder Bus Service	All metro bus and local bus services to Metrorail and commuter rail stations reduce fares by half.
M 139	College 33 Pass System	Expand Baltimore college bus fare program to DC area. Program allows students to receive reduced fares near 19 participating schools in the region.
M 140	Discount Multi-Trip Bus Fares	Introduce discount programs reducing cost of multiple bus rides through purchase of pass books (e.g. 10-trip tickets).
M 141	Vanpool Insurance	Establish a special risk pool to underwrite the cost of vanpool insurance.
M 142	Commuter Choice Tax Credit	Employers subsidize employees' monthly transit or vanpool costs and receive a tax credit for incurred expenses.
M 143	Rebate for Purchase of Hybrid Vehicles	Issue rebate for purchase and registration of hybrid vehicles.
M 144	Real-Time Bus Schedule Information	Expand trials of real-time bus schedule information to local transit providers.
M 145	Automatic Bus Locator System	System would provide bus location information to transit dispatchers. This would decrease wait time and improve on-time arrival/departure.
M 146	WMATA Bus Information Displays with Maps	Install additional information boxes with maps and schedule information. Would include schedules in languages other than English in neighborhoods where most residents speak another language.
M 147	Enhanced Enforcement: Bus and Truck Idling	Step-up enforcement of existing regulations to prevent extended bus and truck idling.
M 148	Enhanced Enforcement: On-road Idling	Increase enforcement of regional idling restrictions for on-road vehicles. Expand enforcement authority to local police.
M 149	Enhanced Enforcement of Mobile Source Regulations	Increase smoking vehicle enforcement. Publicize Smoking Vehicle Reporting Hotline.
M 150	Enhanced Enforcement: Speed Limits	Increase speed limit enforcement so that more vehicles are traveling at or below the posted limit.
M 151	Control Vehicle Idling	No Idling Rule – Restriction. Limits idling to 5 minutes for all non-commercial, consumer operated vehicles within the Washington NAA. Establish exemptions where required.
M 152	Permit Right Turn on Red	Reduce vehicle idling time by permitting right turn on red, where safety allows.
M 153	Control Vehicle Speeds: Automated Enforcement	Automate speed enforcement and lower the speed limit to 55 mph for heavy duty vehicles.
M 154	Control Vehicle Speeds: Lower Limits	Speed Limit Restriction: Regional speed limit of 55 mph on all roads which previously had posted speeds of greater than 55 mph. Lower Speed Limits.
M 155	Clean Air Partners: Air Quality Action Days	Take a variety of actions on Air Quality Action Days to reduce emissions and improve air quality (free transit, telework, carpool).
M 156	Government Actions (air quality action day similar to snow day)	Implement a liberal leave policy for local, state and federal employees on Air Quality Action Days, permitting employees to work from home or take unscheduled leave.

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List #	Measure	Description
M 157	Clean Air Partners: Public Outreach and Education	Implement Strategic Communication Campaigns to Increase Public Awareness (reduce vehicle use).
M 158	Local Government Education Campaign	Implement Strategic Communication Campaigns to Increase Local Government Air Quality Improvement Efforts (reduce vehicle use).
M 159	Mass Marketing Campaign	Marketing effort involving business-to-business advertising campaign in print media and on world wide web.
M 160	"Cash for Clunkers" On-Road Vehicles	Fund voluntary program paying car owners to turn in old vehicles for scrappage. Target pre-1980 vehicles with minimal/no emissions control.
M 161	"Cash for Clunkers" Early Bus Engine Replacement	Replaces high-polluting diesel engines in WMATA buses with new diesel engines.
M 162	"Cash for Clunkers" Taxicab Replacement - Conventional Vehicles	Replace taxicabs with new "conventional" LDGVs.
M 163	"Cash for Clunkers" Gas Caps Program	Provide free replacement gas caps to light- and medium-duty vehicle owners.
M 164	Control Delivery Truck Emissions	Establish voluntary emission reduction program with delivery fleets.
M 165	Rush Hour Shift	Shift Metrorail AM and PM rush hours to start 30 min earlier and end 30 min later.
M 166	Mandatory Employee Commute Reduction	Mandatory employer trip reduction to reduce employee vehicle trips.
M 167	Manage Roadway Usage: No Drive Days	Odd/Even License Plate no Drive Days. Prohibit drivers from traveling during certain periods, based on vehicle tags or other easily identifiable criteria. Can be a permanent or episodic control.
M 168	Transportation Funding Initiatives	Require that Congestion Mitigation Air Quality (CMAQ) funds be used only for projects that improve air quality.
M 169	Restrict Parking at Schools	Restrict high school students from driving to and parking at high schools when bus service is available.
M 170	Restrict Construction of New Parking	Restrict construction of new parking at employment centers based on distance from transit and urban core.
M 171	Eliminate or Restrict Airport Parking	Eliminate airport parking and replace with alternative fuel shuttle buses.
M 172	Employer Parking Cash-Out: Mandatory	Implement program requiring employers to provide the value of subsidized parking to employees who use alternative commute strategies.
M 173	Episodic Voluntary Closure of Drive Through Windows	Encourage Voluntary Closure of Drive-through Windows on Days with Poor Air Quality.
M 174	Episodic Mandatory Closure of Drive Through Windows	Require Closure of Drive-through Windows on Days with Poor Air Quality.
M 175	Negotiate Regional Anti-Dead Heading Agreement for Taxicabs	Reduce Local Ordinances that Prevent Taxicabs from Picking Up Fares on Return Trips from Neighboring Jurisdictions.
M 176	Remove Trash Trucks From Area Streets	Reduce use of trash trucks through transport of trash by barge.
M 177	Increase Intermodal Transport	Increase use of intermodal options for transporting goods.
M 178	Fleet ILEV for light-duty gasoline vehicles	Require fleets operating in nonattainment area to be comprised of a percentage of Inherently Low Emission Vehicles (ILEV).
M 179	Control Vehicle Technology	Install systems on gasoline vehicles to reduce emissions (e.g., Bose high-speed centrifugal separation system).
M 180	Control VOC Content of Automotive Products	Windshield Wiper Fluid – lower VOC. Establish evaporative standards that are lower than those set by the EPA – 35 weight-percent VOC.
M 181	Gasoline Engine Retrofit Program	Retrofit with 3-way catalysts on gasoline-burning heavy duty trucks that currently have 2-way catalysts or no catalysts.
M 182	Improve Truck Fleet Fuel Economy	Encourage adoption of technologies that increase truck fleet fuel economy.
M 183	Tire Replacement and Inflation Program	Improve Fleet Fuel Economy by Implementing Program to Replace Tires and Ensure Proper Tire Inflation.