

# Sustainability at Washington Metro

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# Social and Economic

- Concentration is Generally on Environmental
- Social or People are Generally Taken Care of in the USA
- Regulations Help Ensure Sustainability
- Human Resource Policies Extend It Through Employee Benefits
- Community Projects and Outreach
- Provide Public Transit
- Economy or Profit for Transit is More About Funding and Efficiencies



# METRO IS GOOD FOR THE ENVIRONMENT

- Saves the Region 75M Gallons of Gas
- Eliminates 10,000 Tons of Pollutants
- Takes 550,000 Cars Off the Road Each Weekday
- Eliminates the Need for 1400 Miles of Lanes
- Promotes Alternative and Integrates Modes of Transportation



# Environmental Management Systems

- ISO 14001
- Ten Transit Teams
- Sponsored by FTA then MDE
- Plan – Do – Check Methodology
- Barriers
- Modified EMS



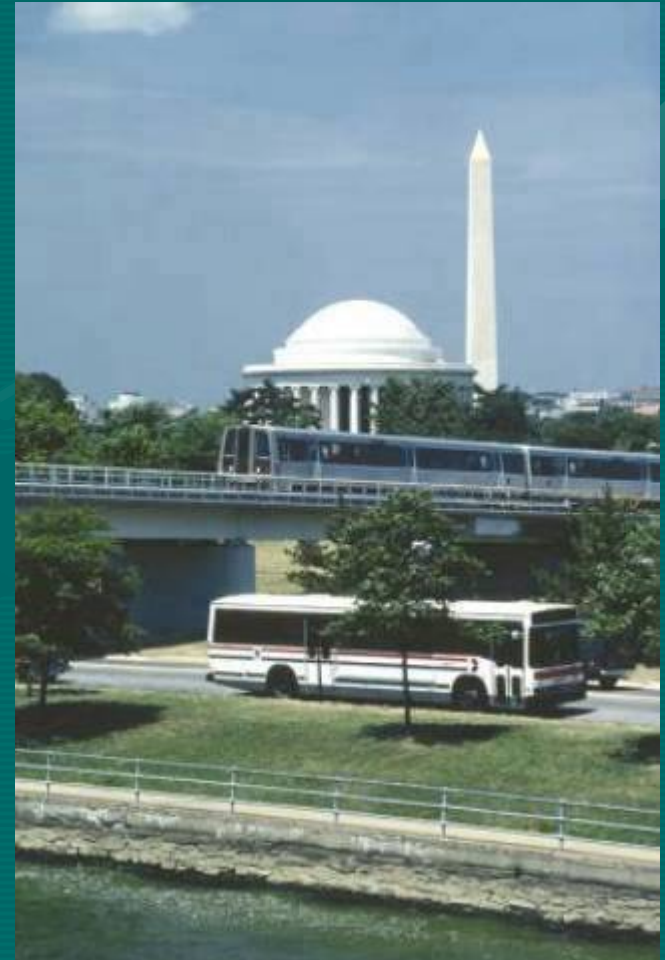
# Recycling

- 2400 Tons of Newspaper
- 269,000 Gallons Used Oil
- 28,580 Tons Scrap Metal
- 1620 Toner Cartridges
- 4250 Gallons Chemicals & Paint
- 56 Tons Batteries
- 350 Cases + 60 Drums  
Fluorescent Bulbs
- Packing Materials
- 32 Tons of E-Waste
- 8000 Wood Rail Ties



# Revenue and Non Revenue Fleets

- 439 CNG Buses and 2 Retrofit Facilities
- 50 Diesel Hybrid Buses
- 117 Clean Diesel Buses
- 894 Retrofit Diesel
- 20 New CNG
- 50 New Hybrids
- Non Revenue Flex Fuel
- Non Revenue Hybrids
- Fleet Sustainability Study
- Regenerative Braking



# Energy Efficiency

- Solar Power Projects (\$14.67 M Awarded)
- Partnering with Power Companies
- Audits
- LED Installations
- LEED Silver Certification Goal for New and Rehabilitated Facilities



# Other Environmental Initiatives

- Marketing Public Transit to Slow Global Warming
- Green Cleaning Products
- Paper Product Certification (Smart Wood)
- Pollution Prevention Program
- Spray Can Evacuators
- Low VOC Paints
- Electric/Magnetic Biocide
- MSDS Evaluations
- Green Workshops
- Bulb Crushers
- Wash Recycling



# Potential Initiatives

- Alternative Energy Use
- Prioritization of Capital Programs - ROI
- Modify Design Standards
- Green Infrastructure
- Green Purchasing Program
- Flood Risk Management and Other Climate Change Impacts
- Water Use Audits for Conservation
- Employee Survey
- Calculate Carbon Footprint

