



Annual Reporting Results Local Innovative Programs to Improve Air Quality

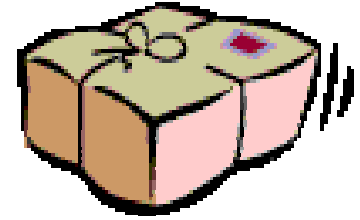


Jeff King
MWAQC TAC
March 9, 2009





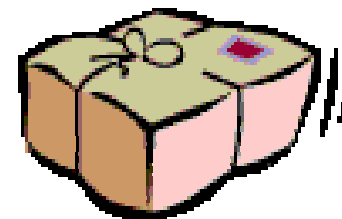
Local Initiatives ("Bundle")



- Expanded or New Programs:
 - Wind Energy Purchases
 - LED Traffic Signal Retrofits
- Included, with no credit:
 - Renewable Portfolio Standards
 - Building Efficiency/Green Buildings
 - Urban Tree Canopy



Local Initiatives ("Bundle")

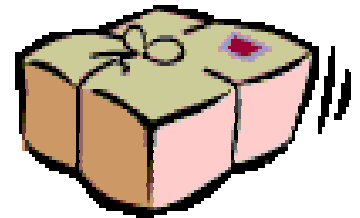


- Commitments carried over from 1-hour ozone SIP:
 - Locomotive Idling Reduction
 - Gas Can Replacements
 - Low VOC Paints
 - Remote Sensing



Inclusion of Voluntary Bundle in the SIP

- Emission Benefits (2009)
 - 0.30 tpd NO_x
 - 0.19 tpd VOC
- Annual Reporting Requirement
- Periodic True-up Evaluation
 - Due March 2010



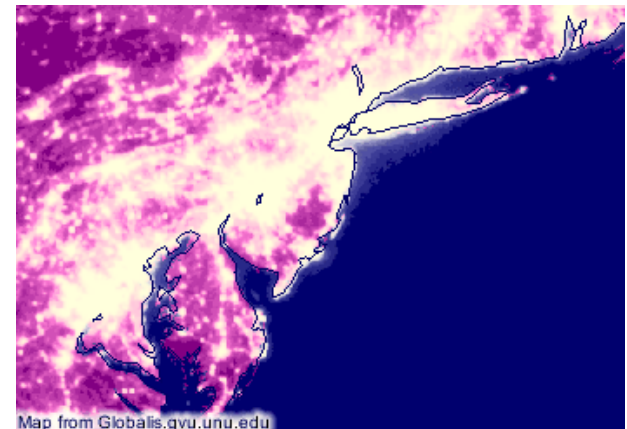
Additional Voluntary Programs

- Programs for Weight of Evidence:
 - Episodic Programs
 - High Electricity Demand Day Initiative
 - Urban Tree Canopy
 - Telecommute Initiatives



Carbon Offset Calculator

"Offset" your emissions:
Help us plant trees.





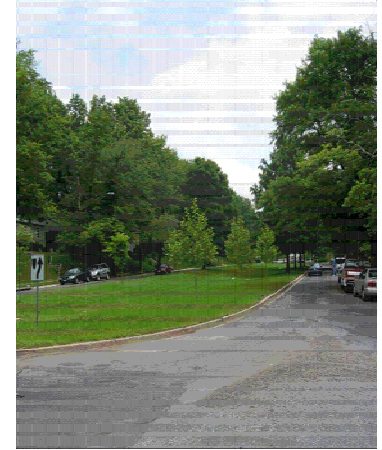
Energy Sector Initiatives

- Wind Energy Purchases
 - Montgomery County Purchasing Group, including Prince George's and WSSC
 - Achievements > Commitments
- Building Efficiency Investments
 - Data being collected and analyzed.
 - Regional effort underway to develop standardized reporting.
- LED Traffic Signals
 - All signals in District retrofitted
 - VDOT, MDOT and jurisdictions installing more.
 - Commitment met.
- Outstanding Issue: Retirement of NOx Allowances



Urban Heat Island/Tree Canopy

- Development of Regional Plan
- Tracking Tree Canopy
- Tracking Tree Planting
- Jurisdictions Active
- No SIP Credit Taken
- Planning and Implementation Continue



Low-Emission Vehicle Purchases and Diesel Retrofits

- Local jurisdictions
 - Purchase of low-emission vehicles, including transit buses and light duty vehicles
 - Diesel retrofits
- Substantial New Funding Available
- Emission Benefits Reserved for Conformity
- To date: Achievements > commitments





Clean Air Partners Programs

- AirAlerts (Forecasts and Real-time Health Notifications)
 - More than 2600 individuals registered to receive AirAlerts.
- Aqueous Parts Washer Program
 - Rebates provided to local businesses to purchase low VOC aqueous or microbial parts washers
- “On the Air” Curriculum
 - Educating the Next Generation - More than 1,000 students have received information from the curriculum and outreach programs including 320 from the District of Columbia, 525 from Maryland, and 180 from Virginia.



1-Hour Ozone SIP Commitments Met

- **Documented in March 2007 Evaluation Report to EPA, including:**
 - **Wind Energy Purchase**
 - **Use of Low VOC Paint**
 - **VRE Idling Reduction**
 - **Gas Can Replacements**



Next Steps

- **Energy Efficiency**
 - Collect additional data on building energy efficiency improvements
 - Use NOx and CO2 calculator to estimate the benefits of EE programs
 - Finalize protocol for inclusion of EE programs in SIPs and Climate Plans
- **Renewable Energy**
 - Renew wind purchase contracts
 - Track implementation of Renewable Portfolio Standard
- **Low-emission vehicles and Diesel Retrofits**
 - Pursue new grant funding
- **Urban Heat Island/Tree Canopy**
 - Continue regional planning and implementation effort
 - Fund UMD study for urban heat island mapping using aircraft
- **Track New initiatives**
 - LED Street Light Pilot
 - State Energy Efficiency and Climate Programs



For More Information

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