

#### Goal of Work

 Provide basis for decision to incorporate urban vegetation as a means to reduce ozone within the Washington area - SIP



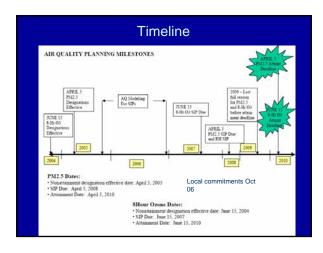
# What is a SIP? Multiple Choice: A nice neat report A large file of information Filing cabinets full of documentation All of the above

#### Air Quality Plan ("SIP")

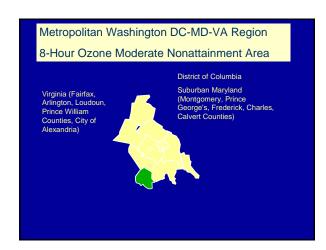
- A plan containing an emissions goal to improve air quality by a deadline established by the Clean Air Act
- The plan contains federal, state, and local measures to reduce air pollution

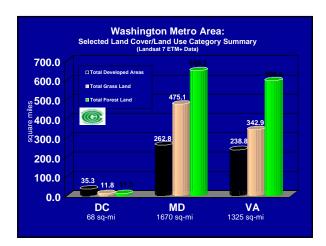
#### DC-MD-VA Air Quality Plan ("SIP") Scope

- Commits to meet the ozone standard by the year 2009
- Identifies control measures to be taken to reduce pollution created locally
- Identifies measures to reduce air pollution transported from our region into other states
- · Sets a mobile emissions budget



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# Control Measures in SIP Mandatory Measures (Regulations) Voluntary Measures: Reformulated paints and solvents Gas can replacement programs

>AFV purchases, wind energy purchase, green

roofs, tree canopy expansion

#### Voluntary Bundle

#### **Reductions Credited**

- •Low-VOC Consumer Products
- •Wind Power Purchase
- •Gas Can Replacement
- Use of Low-VOC Paint
- Reduce Locomotive Idling
- Included, But No Credit Taken
- Alternative Fueled Vehicle Purchase
- Remote Sensing Device
- Diesel Retrofits (School and Transit Buses)
- (may be included) Tree Canopy

#### Voluntary SIP Measures

- Not enforceable
  - Encourage not require people and local organizations to plant trees
  - Create need for a collaborative database of canopy expansion activities
- Provide regional support, priority and visibility to programs for canopy expansion
- · Creates opportunities for new measures, funding and collaboration

#### **Commitment Requirements** Program **Program Details Signed Letter Effectiveness Estimate of Benefits** Report Agree to monitor program and provide annual reports on program participation/effectiveness

#### **Good News**

- Maryland is committed and has included Trees as a consideration in the air quality planning process for the Baltimore air management area
- WASHCOG-MWAQC has included Trees as a consideration in the DC Metro Air Quality Plan subject to local commitment
- Other states are interested

## Virginia CAN MAKE A DIFFERENCE



WHAT WILL YOUR JURISDICTION COMMITMENT TO DO?

## Measures/ Tools What government can do

Conserve priority forests Restore forest remnants Reforest public land Reforest private land



Maintain existing forest canopy
Prevent forest loss during development
Landscaping (including street trees) during
land use changes

#### Virginia tree tools

- Local Tree Cover Ordinances based on VA Sate Code § 15.2-961
- Local Erosion and Sediment Control Ordinances based on VA Sate Code § 10.1-562
- Local C-Bay Ordinances based on VA State Code § 10.1-2100. and Management Regulations; 9 VAC 10-20-10 through -230
- Local Preservation Ordinances based on VA State Code § 10.1-1127.1. Conservation of Heritage, Specimen, Memorial and Street Trees

#### Virginia tools - #2

- Non-profit Tree planting tree planting
- Urban Tree Canopy Goals subset of Chesapeake 2000 Agreement
- Earth Day/Arbor Day Programs
- Tree City USA Program
- Forest Pest Management Programs
- Conservation Easements
- Local Urban Forestry Strategic Plans

#### Virginia Agenda

- What should the goal be? (5% 20 years)
- A variety of strategies can be used
- Characterizing the campaign (Canopy expansion versus tree planting goal)
- How will you track, verify and report progress?
- Identifying needed funding for the tree planting, tracking and outreach database

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Future actions ID needed Legislative - Administrative changes Program funding opportunities

- Tree ordinances
- Tree requirements
- Mitigation opportunities
- •Sites, Permitting





#### **Measures**

What nongovernmental Partners can Do

- Planting
- •Citizen Training
- Member Education
- Inventories
- Maintenance/Stewardship
- Identify Funding

Sample Implementation Plan: rogram would begin implementation in 2007 and be completed in 2023. The tree-planting rate would follow this schedule:							

#### In addition ...

- Establish long-term canopy goals for local area
   Fund programs for canopy expansion, maintenance and care
   Support volunteer tree planting organizations
   Educate the public
   Champion inclusion of trees in SIP



