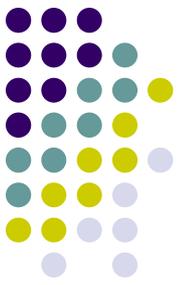


# **CAAAC Report on Vision and Guiding Principles for the National Air Program**

Gregory A. Green, U.S. EPA  
Washington, DC  
May 14, 2009

# Vision and Guiding Principles Report



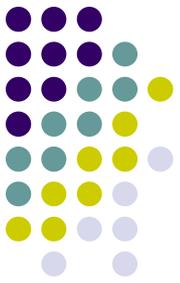
- Panel members asked to comment on three aspects of the report:
  - Is the report on target for goals and priorities?
  - How can EPA and its partners work together to achieve the report's vision and guiding principles?
  - How can the CAAAC measure successful implementation?

# Vision and Guiding Principles Report



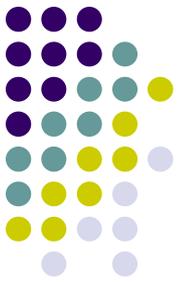
- Vision and Principles are preceded by:
  - Report from National Academy of Sciences that included recommendations on where to take AQM in the future
  - CAAAC's Air Quality Management Subcommittee Reports I and II
- The Vision and Guiding Principles Report validates these efforts
- Many of the latest report's recommendations are already underway

# Working to Implement Several Recommendations



- Multi-pollutant and streamlined planning
  - AQMP pilot projects in North Carolina, New York and St. Louis area
    - Intended to provide real world examples of how to move towards comprehensive multi-pollutant plans
  - Detroit Multi-Pollutant Project
    - Supports that we have the ability to do multipollutant analyses
- Expanding national control strategies
  - Marine and Locomotive Rule
    - EPA standards that will dramatically reduce diesel PM and NOx from locomotives and marine diesel engines
  - Ocean Going Vessels Proposed Emission Control Area for US and Canada
    - The U. S. and Canada have submitted a proposal to the International Maritime Organization to designate an area off our coasts where stringent international emission controls would apply to ocean-going ships

# Working to Implement Several Recommendations



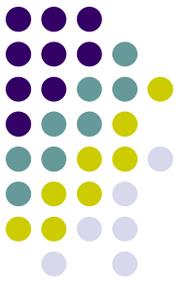
- Expanding ENERGY STAR voluntary programs
  - Residential, commercial and industrial sectors, state and local governments, and products
- Overcoming barriers to clean energy/air quality integration
  - Working with other offices to identify ways to remove barriers (e.g. consideration of reductions from RPS in SIPs)
- Increased resources and funding to support effective program implementation by government partners
  - Numerous large grants to S/L/T partners under DERA and ARRA

# Working to Implement Several Recommendations



- Improving quality and accessibility of information
  - National Emissions Inventory/Emissions Inventory System
    - Improve access to and quality of emissions information
  - AIRNow/NASA partnership
    - NASA providing EPA satellite data to load into AirNow that will improve air quality estimates between monitors
- Improve emissions measurement, reporting and inventories
  - New Mobile Source Emission Model (MOVES)
    - Draft includes criteria pollutants, full range of GHGs and allows for modeling of toxics

# Need for Further Prioritization



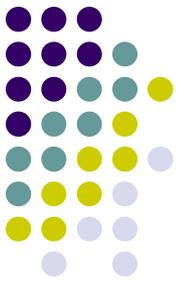
- EPA resources are limited and agenda is growing
  - Let us know which 1-3 actions are CAAAC's highest priority
- Entities outside the Agency may be better suited to perform certain tasks
- Go beyond concepts and provide specifics on implementation

# Need for Further Exploration



- Transitioning into a truly multi-pollutant AQM approach
  - Coordination and integration of policy
  - Development of technical tools
- Integrating climate protection strategies with existing air quality management infrastructure
  - Better understand impact different strategies have on each other
  - Reduction strategies of one pollutant may have negative impacts on others
- Incorporating climate change into S/L/T and private sector activities
  - Increases workload while existing requirements still in place

# Need for Further Exploration



- Implementing the recommendations concerning integrating land use, energy, transportation and air quality better
  - Requires multi-agency involvement
- How to implement some recommendations without legislation
  - Clean Air Act could limit implementation of recommendations

# Need to Better Measure Success



- Implementation by stakeholders is essential for success
  - We can put policies in place but stakeholders must implement them
- Quantify and qualify emission reductions
  - Include the number of people breathing cleaner air and where improvements are taking place
- Form ad hoc committees or workgroups to address issues as they arise
- Inform EPA on where greater efforts or resources are needed
  - Investigate why certain programs have not survived in the past
- Self-evaluate