

Overview of the New York Energy \$mart Environmental Monitoring, Evaluation and Protection Program



Janet Joseph, NYSERDA

NYSERDA



Presentation Outline

- **History of EMEP**
- **Goals & strategies**
- **Target areas**
- **Future directions**

EMEP Overview

Program Goals



- Purpose: Support policy-relevant research to enhance understanding of energy-related environmental issues
- Initiated in 1998 – funded at \$2.7 million/yr through 2006

Program Focus

■ Target pollutants:

- NO_x, SO_x, mercury, primary and secondary particulates, ozone

■ Research Areas:

- Air Quality and related health research
- Ecosystems Response to deposition of Sulfur, Nitrogen and Mercury
- Cross-cutting research

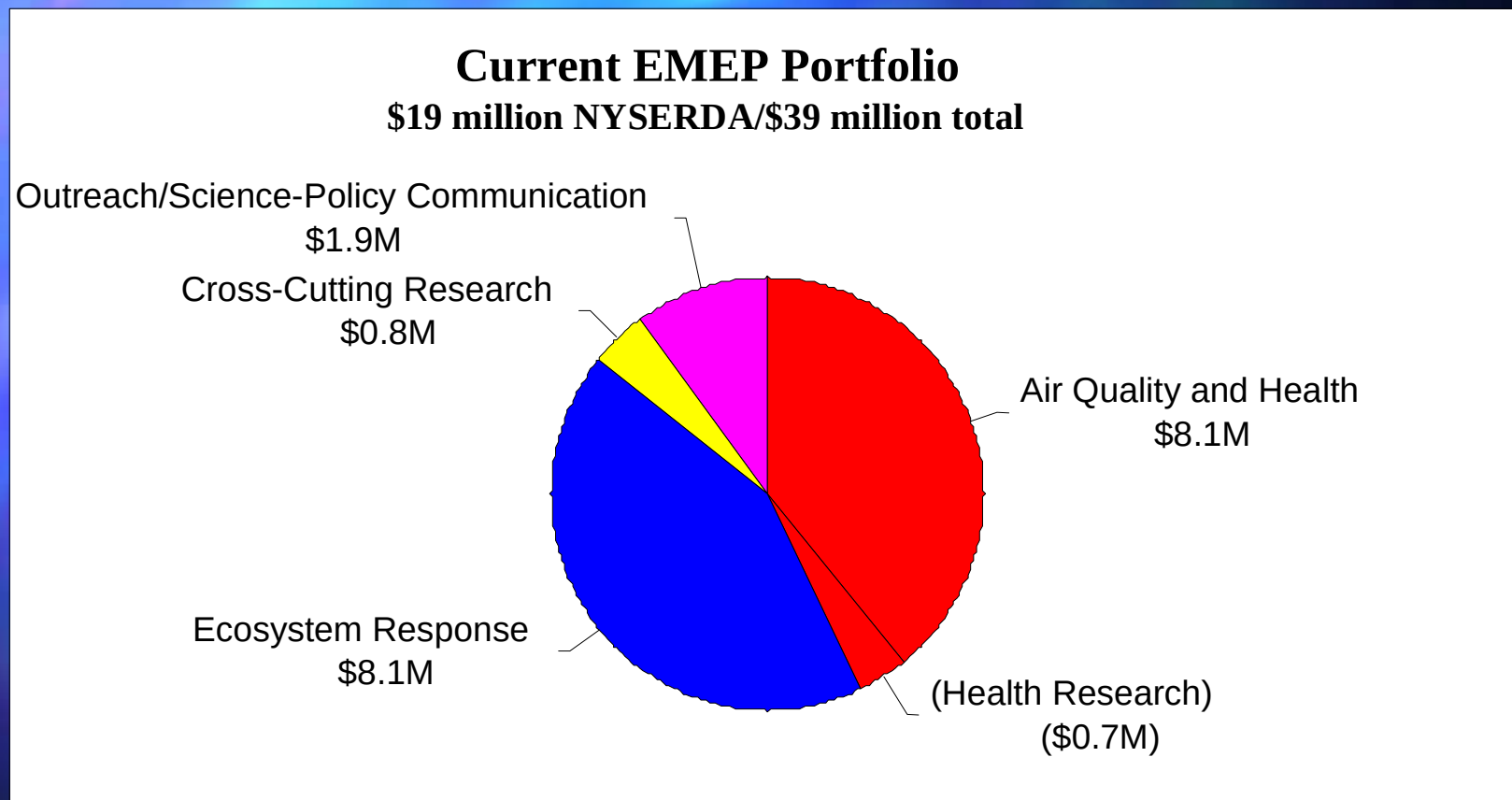


Program Strategies

- Address critical NYS and regional problems
- Provide a forum for exchange of information
- Support outreach and science-policy communication efforts
- Build capabilities in NY institutions
- Leverage limited dollars
- Strong technical review / active advisory group

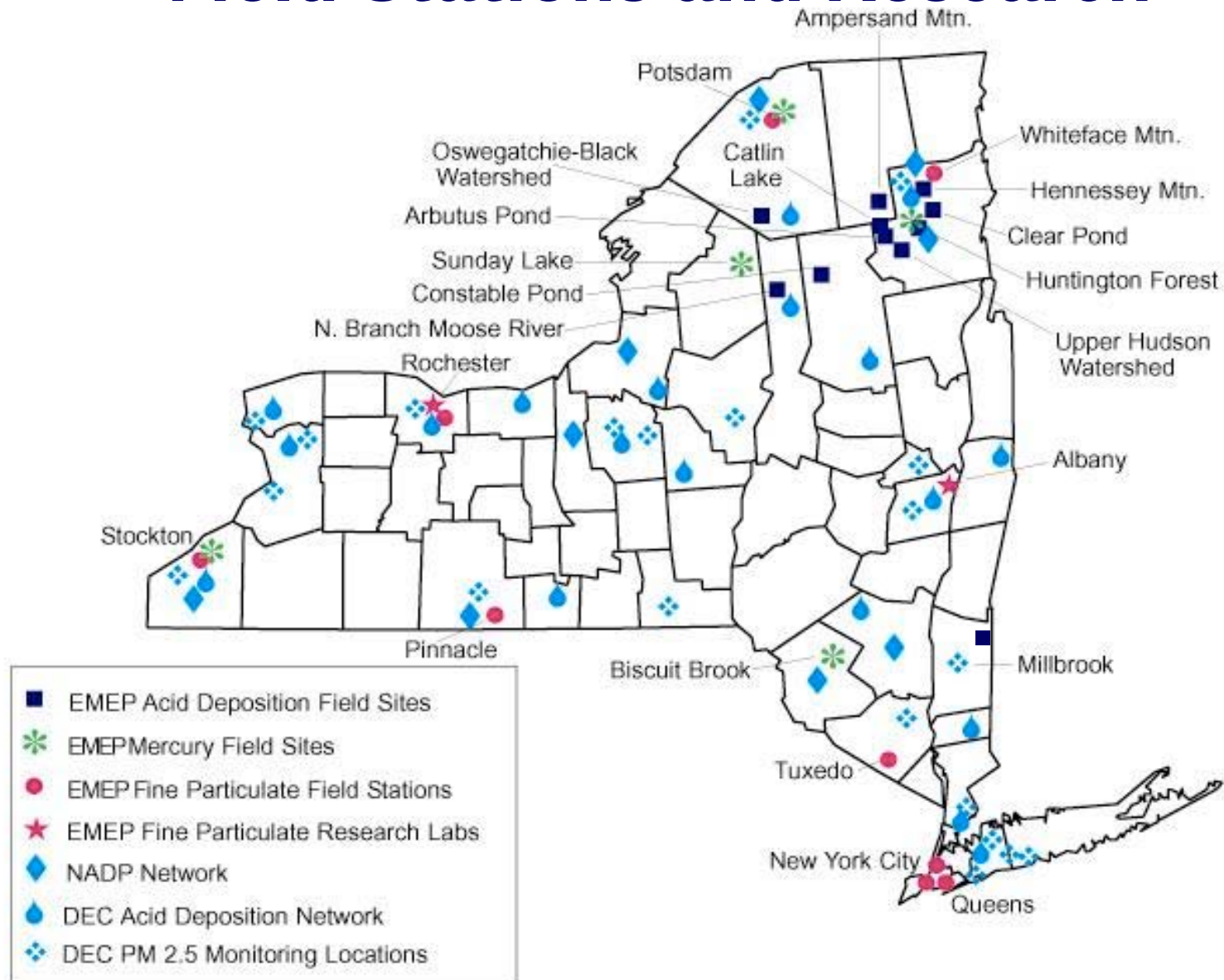
EMEP Overview

Project Portfolio



- 34 active research projects
- 6 projects complete/ 5 more complete in next quarter

EMEP Field Stations and Research Sites



Future Directions

- Outreach and science communication
 - Web-page, fact sheets, primers, data availability, technical reports, “translation” pieces, integrated assessments
- Next solicitation in Dec/Jan
 - PM_s synthesis
 - PM_h health effects
 - Other ...
- Long-term planning



Conference Highlights

■ Tuesday

- Policy framework
- Session A: Air Quality and Related Health Effects – key science/policy questions associated w/ PM
- Session B: Ecosystem Response to Deposition of S, N, Hg
- Reception

■ Wednesday

- Session C: Control Technology
- Session D: Cross-cutting science and policy issues on Nitrogen
- Improving the scientific basis for decision making

■ Poster Sessions!!

- **NYSERDA EMEP staff:** Janet Joseph, Mark Watson, Ellen Burkhard, Barry Liebowitz
- **Bard [Outreach / Conference Planning]:** Joanne Fox-Przeworski, Zywia Wojnar
- **EMEP Program Advisory Group**
 - James deWaal Malefyt, NYS Department of Public Service
 - Daniel Luttinger/Lloyd Wilson, NYS Department of Health
 - Gopal Sistla/Steven Sanford, NYS Department of Environmental Conservation
 - Richard Haeuber/Jim Vickery, USEPA
 - ST Rao, NOAA
 - Rashid Shaikh, NY Academy of Sciences
 - Sandra Meier, Environmental Energy Alliance of New York
 - Stacey Davis, Center for Clean Air Policy
 - Bernard Melewski, Adirondack Council
 - Ellen Baum, Clean Air Task

■ EMEP Science Advisors

- Dr. Praveen Amar, NESCAUM
- Dr. Stuart Findlay, Institute of Ecosystem Studies
- Dr. William F. Fitzgerald, University of Connecticut
- John S. Irwin, U.S. EPA
- Dr. Daniel Jacob, Harvard University
- Dr. Patrick Kinney, Columbia University School of Public Health
- Dr. Scott Ollinger, University of New Hampshire
- Dr. George Hidy, Principal, Aerochem Associates

NYSERDA

 **New York**
Energy SmartSM
PUBLIC SERVICE
COMMISSION **NYSERDA**
George E. Pataki, Governor