

NEW YORK REGIONAL ENERGY-WATER WORKSHOP

**Brookhaven National Laboratory
Earth Institute at Columbia University
Electric Power Research Institute**

**New York, NY
April 20, 2004**

Goal

Recognizing that energy and water issues are strongly interconnected, our goal is to examine the most pressing energy and water issues in New York, explore the links between the supply and demand for energy and water, and identify how stakeholder planning and research and development can guarantee that future New Yorkers will have access to plentiful, clean and safe water and energy.

Objectives

- Develop an understanding of present and future water and energy issues facing New Yorkers;
- Identify water and energy problems, questions, operations and decisions that can be improved with better decision tools, technology, regulations, etc.;
- Define initial steps to improve water and energy allocation and management in New York.

Meeting Outcomes

- Identification of the most pressing and important energy-water issues facing New Yorkers;
- Information exchange and collaboration among stakeholders involved in the issues;
- Agreement on goals and elements for a research effort to resolve the issues identified during the Workshop.

Workshop Agenda

Perspectives on regional Energy & Water

- 8:00 a.m. Registration and Breakfast
- 8:30 a.m. Welcome and Participant Introductions
Cynthia Rosenzweig, NASA/Goddard Institute for Space Studies
- 8:45 a.m. Discussion of Agenda and Workshop Goals; DOE Energy-Water Nexus Initiative
William Horak, Brookhaven National Laboratory
- 9:15 a.m. Water & Sustainability Initiative; *Robert Goldstein, EPRI*
- 9:45 a.m. Keynote Speaker: Energy-Water Issues in Southeastern New York;

Honorable Chris Ward, New York City Department of Environmental Protection

- 10:15 a.m. Break
- 10:35 a.m. Stakeholder Presentations
Manu Lall, Earth Institute at Columbia University
- 10:40 a.m. Water Supply and Quality Issues
Sandra Allen, New York State Department of Environmental Conservation
- 11:00 a.m. Energy and Water Issues
Kathleen O'Connor, New York State Energy Research and Development Agency
- 11:20 a.m. Electric Utility Issues
Christopher Gross, KeySpan Corporation
- 11:40 a.m. 2003 Blackout Impacts on New York
Roger Anderson, Columbia University
- 12:00 p.m. Lunch

Discussions and Decisions

- 1:00pm Instructions for Afternoon Breakout Sessions;
William Horak, Brookhaven National Laboratory

The Participants break into three groups to discuss the questions below. The smaller sessions will permit all participants to identify and discuss what the major issues are in their experience.

Questions

Based on your understanding and experience, what are the most critical regional water and related energy issues facing New York stakeholders?

What are the most pressing operational issues that the region faces in maintaining adequate clean water while addressing the region's energy needs? For example, what tools are needed, what decisions need to be made and what questions must be formulated and addressed to ensure adequate future supplies of energy and water?

- 1:15pm Group Discussions of the Questions
- Group 1 Moderator: *Paul Elston, NY League of Conservation Voters and Former Chair of NYC Water Board*
- Group 2 Moderator: *Kelly Bennet, Environmental Business Association of NY*
- Group 3 Moderator: *Paul Friley, Brookhaven National Laboratory*
- 2:45pm Break
- 3:00pm Presentation by Groups;
Cynthia Rosenzweig, NASA/Goddard Institute for Space Studies, Moderator

Re-convene the participants for presentations from the small group breakout facilitators. Each facilitator will provide a 5-10 minute report of discussion results.

3:45pm Open floor for discussion of issues and summary of identified issues;
Robert Goldstein, EPRI, Moderator

Discuss in the full group the issues raised by the participants. Rank the issues based on the workshop discussions and participant votes.

4:30pm Wrap-up:

Discussion of possible next steps toward defining a research program to address the identified issues; *William Horak, Brookhaven National Laboratory, Moderator*