

**RGGI Workshop on  
Electricity Markets, Reliability and Planning  
November 30, 2004 - New York City  
Workshop presented by RAP, ISO-NE, NYISO, and PJM  
Draft agenda**

**9:00 to 9:15 Introduction: Overview of the Workshop**

*Sue Tierney, Analysis Group (former MA utility regulator and environmental secretary)*

- Goals and objectives for the Workshop, overview of the agenda, relevance of issues for RGGI design -

**9:00 - 10:30 Tutorial on the Mid-Atlantic and Northeast Electricity Markets and Power System Operations -**

*David J. Lawrence (NYISO) (with assistance of Jim Platts (ISO-NE) and Joe Kerecman (PJM))*

- Introduction to the region's electricity markets - the basics of the three ISO-administered regional markets (PJM, NYISO, ISO-NE) and common elements across the three regions
  - Market operation - Day Ahead and Real-time markets
  - The other markets: "Ancillary services" and capacity markets
  - Treatment of bilateral contracts
  - Treatment of imports/exports
  - Must-run units: purpose, status, impact on plant output
  - Meeting load requirements through bilateral contracts, must-run units, energy markets, demand response: relative roles in practice
- Pause for clarifying questions
- Special topics
  - "Congestion" and what it means for generation output, prices, etc.
  - System operating considerations associated with renewable resources
  - Systems for tracking power and attributes - GIS, GATS, etc.
  - Planned changes in market rules
  - Key interfaces and characterization of flows at boundaries of the regions
- Implications for RGGI design:
  - Teeing up the key issues for RGGI design
  - Differences among the ISOs that are of interest for RGGI issues
  - Simplified example of interaction of RGGI design and power system/market operations

**10:30 - 10:45 Break**

**10:45 - 12:15 RGGI design, markets and reliability: Issues relating to conventional supplies -**

*Issues briefly tee-ed up by {generator expert - TBA}, stakeholder discussion and Q-and-A moderated by Sue Tierney.*

**Topics include:**

- Allocation options - interaction with electricity markets
- Leakage considerations (e.g., imports/exports, RGGI borders within PJM)
- Impacts on market clearing prices, cost recovery, generator competitiveness
- Interaction of bilateral contract arrangements and RGGI design issues
- Cumulative impact of environmental regulations on facility operation
- Options for solutions within design of RGGI

**12:15 - 1:00 Lunch**

**1:00 - 2:30 RGGI design, markets and reliability: Issues relating to non-conventional supplies -**

*Issues briefly tee-ed up by Rich Cowart (RAP); stakeholder discussion and Q-and-A moderated by Sue Tierney.*

**Topics include:**

- Renewable resources, RPS, system operations, RGGI design issues
- Energy efficiency as a resource - implications for RGGI design
- Demand response, DG, and CHP - reliability and RGGI design issues
- Options for solutions within design of RGGI

**2:30 - 2:45 Break**

**2:45 - 4:15 RGGI design, markets and reliability: Issues relating to system operations -**

*Issues briefly tee-ed up by {ISO expert- TBA}; stakeholder discussion and Q-and-A moderated by Sue Tierney.*

**Topics include:**

- Trading patterns: in-region trade, imports and leakage
- Fuel diversity and natural gas pipeline capacity
- Units needed to operate for reliability, implications for RGGI design
- Options for solutions within design of RGGI

**4:15 - 4:30 Wrap-Up and Adjournment**

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