Energy Efficiency

Robert G. Sliwinski, P.E.
Chief, Bureau of Air Quality Planning
NYSDEC Division of Air Resources

NEEP Regional EM&V Forum
Annual Public Meeting
October 19, 2010

SIP Credits for EE in New York

- A major barrier to obtaining SIP credits for energy efficiency projects has been that emission reductions need to be
  - Quantifiable
  - Surplus
  - Permanent
  - Enforceable

EE History in NY SIPs and RGGI

- 6 NYCRR Subpart 227-3: Pre-2003 Nitrogen Oxides Emissions Budget and Allocation Program and 6 NYCRR Part 204: NOx Budget Trading Program
  - 3% set-aside failed due to negligible return on investment
- Acid Deposition Reduction Program
  - 3% set-aside for auction failed because money was diverted to RE related project
- RGGI
  - Funds raided to balance state budget

Integrate Planning Model (IPM)

- EPA's method for projecting electricity generation growth using IPM is ill-suited to the Northeast States.
  - Not enough resolution in model

Eastern Regional Technical Advisory Committee (ERTAC)

- EGU Growth Subcommittees looking at:
  - Implementation
  - Growth
  - Data Tracking
  - Renewables & Conservation Programs
- The ERTAC process requires up-front work to validate data instead of the SIP credit approach which requires commitment and back-end validation

Statewide EE Initiatives

- NYS Energy Research Development Authority (NYSERDA)
  - Energy performance has been improved in more than 45,000 new or existing homes, 71,000 multi-family housing units, and 17,800 new or existing commercial, industrial, and institutional facilities through programs such as
    - New York Energy $mart Program
    - Commercial Lighting Program (CLP)
  - Installed energy-efficiency measures reduce electricity consumption by 3,820 GWh per year and reduce peak demand by 824 MW.

Statewide EE Initiatives

- Energy Efficiency Portfolio Standard (EEPS)
  - New York State's EEPS, also known as the "15 by 15" program, will reduce the state's electricity use by 15% below projected levels by 2015.

For more information

- Robert G. Sliwinski, P.E.
  NYSDEC
  625 Broadway
  Albany, NY 12233-3251
  (518) 402-8396
  rgsliwin@gw.dec.state.ny.us

- Robert D. Bielawa, P.E.
  NYSDEC
  625 Broadway
  Albany, NY 12233-3251
  (518) 402-8396
  rdbielaw@gw.dec.state.ny.us