

**New York
Energy Efficiency Portfolio
Standard (EPS)**

**Working Group 2
Interim Status Report**

November 5, 2007

WG2's Charge

- Inventory existing electric and gas programs
- Identify potential new or expanded energy efficiency programs
- For each program type identified or inventoried, provide estimates of cost, energy savings, and Total Resource Cost Test performance, where available
- Using census data or other sources, identify county by county (or some other specific geographic unit) potential for each program type identified or inventoried.
- Identify/assess program barriers

Coordination

- **WG2 is...**
 - developing and quantifying a comprehensive inventory of current and potential programs
 - assessing and reporting on general program design considerations and barriers
 - helping to begin identifying those programs that will best serve the statewide effort beyond the fast track period
- **WG2 is NOT...**
 - attempting to directly correlate program data with potential future efficiency targets
 - assessing program implementation roles (although improved inventory data will help WG1 and the wider collaborative assess those issues)
 - attempting to establish evaluation protocols for existing or potential programs

Approach & Progress

- Initial approach on inventorying programs
 - Framing a consistent format for compilation of program data
 - Program sponsors compiling respective program data and bringing to group for discussion/assessment
- Attributes and Gaps are being examined to help inform the depth of each of the programs reviewed
- Progress: Working to assemble program summaries; reporting data consistently as possible, and identifying where differences in reporting exist. Initial review of programs has begun as sponsors present details.

Program Example 1

Program Name: Enhanced Commercial/Industrial Performance Program

Working Group Contact: Peter Savio

Administering Entity: NYSERDA

Targeted Sector: Commercial and Industrial

| Funding years | Funding Source | Total Budget (Millions) | Cumulative Funds Spent (Millions) | Current Annual Expenditures (Year Millions) | Energy Savings As of June 2007 | | Demand Savings As of June 2007 | | Total Resource Cost (TRC) Results* |
|---------------|----------------|-------------------------|-----------------------------------|---|--------------------------------|----------------------|--|---|------------------------------------|
| | | | | | Cumulative (MWh) | Current Annual (MWh) | Cumulative System Coincident Load Reduction (MW) | Current System Coincident Load Reduction (MW) | |
| 13 | SBC | 246.6 | 111.30 | 11.0 | 901,800 | 171,200 | 156.7 | 24.2 | 1.9 |

Program Description

Relationship to Staff Preliminary Proposal

Current status

Barriers, challenges, gaps

Ramp-up potential, limitations, where help is needed to fulfill potential

Co-benefits

Other issues/considerations

Program Example 2

Program Name: Small Business Services Program

Working Group Contact: Michael McAteer

Administering Entity: National Grid

Targeted Sector: Small Business Customers (<200 kW)

| Funding | | Total Budget* | Cumulative Funds Spent* | Current Annual Expenditure* | Energy Savings* | | Demand Savings* | | Total Resource Cost (TRC)* |
|-----------|--------|---------------|-------------------------|-----------------------------|------------------|----------------------|--|---|----------------------------|
| Years | Source | | | | Cumulative (MWh) | Current Annual (MWh) | Cumulative System Coincident Load Reduction (MW) | Current System Coincident Load Reduction (MW) | |
| 1990-2006 | SBC | NA | \$113.9 million | \$6.8 million | 238,652 MWh | 13,574 MWh | 93.8 MW | 3.2 MW | 4.51 |

* Expenditures , savings, and TRC values for National Grid's Massachusetts Small Business Services Program

Program Description:

Current status: Barriers, challenges, gap:

Ramp-up potential, limitations, where resources are needed to fulfill potential

Infrastructure

Workflow/Tracking System

Co-benefits

Other issues/considerations

Preliminary Program Design Considerations

- Large potential in existing buildings and certain sectors
- New construction market baseline/assessment issues
- Underserved markets and underutilized technologies/processes
- Motivational factors related to different sectors
- Program scalability & flexibility over time
- Ratepayer and societal costs to acquire energy resources
- Value of primary and co-benefits for participants and society
- Barriers that must be overcome to achieve objectives

Potential Barriers

- Market infrastructure
 - Need for availability and integration all along the supply chain and installation and maintenance services; manufacturers; wholesalers; retailers; energy efficiency service providers; consultants; engineering services; maintenance services providers
- Equipment availability
- Outreach & Education
 - Need for mass media outreach that helps improves statewide program coordination & integration
 - Need for educational/training programs (e.g. workforce training, continuing education for design professionals, LEED)
- Customers lacking upfront investment capital
- Sector-specific barriers
 - e.g. split-incentives in commercial real-estate, lead times for new construction
- Need for increased access to meter data
 - for screening potential projects, accurately projecting savings, & effective M&V

Next Steps/Related Issues

- WG2 continuing to assemble program inventory and assess related program development issues
 - Goal is to have inventory assembled by December 5, 2007
 - WG2 will provide program design recommendations/guidance in its final report including follow-on inventory assessment tasks
- A robust energy efficiency potential analysis, beyond the scope and capability of WG2, will be required to further assess program development issues