

New York State - Energy Efficiency Portfolio Standard

Working Group 2 – Program Summaries

Program Name: High Performance New Buildings Program

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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		Demand Savings		Total Resource Cost (TRC) Results*
					Cumulative (MWh/MMBtu)	Current Annual (MWh/MMBtu)	Cumulative System Coincident Load Reduction (MW)	Current System Coincident Load Reduction (MW)	
13	SBC**/ SWP*** Con Edison Gas****	159.05	71.6	17.9	312,500/0	89,300/0	71.5 MW	26 MW	3.4

* Or similar measure performance (e.g. TMET). Include description of cost test(s), identify if the analysis is retrospective or prospective and include any reference or links to on-line documents on evaluation as appropriate.

** Metrics shown are as of June 2007

*** Metrics shown are as of September 15, 2007

Program Description: The High Performance New Buildings Program (formerly operating as the New Construction Program) is a resource acquisition program for new buildings that offers a performance-based approach in which incentives are determined by total electricity savings and are tiered to reward progressively better designs. The program's intent is to procure lasting energy efficiency by creating long-term changes in design practices by integrating energy efficiency and green building concepts into new building designs. Through design team incentives and recognition, the program promotes green building projects and Leadership in Energy and Environmental Design (LEED) certification. See 2006 annual report: http://www.nyserdera.org/publications/SBC_Evaluation_Report_web.pdf and most recent quarterly evaluation: http://www.nyserdera.org/Energy_Information/SBC/sbcjune2007.pdf.

Relationship to Staff Preliminary Proposal:

Fast-Track Expansion

Current status: Program is a mid-point of affecting Market transformation in the A/E community, since technology and standards continually advances. More projects are pursuing sustainable solutions and LEED certification. The program has been oversubscribed since inception with over 1200 active projects.

- 12% market penetration for NCP as a whole; 4% for green buildings alone
- Infrastructure well established throughout state
- Worked with over 750 A/E firms partnering to design/develop around 1600 projects (over 670 complete), representing 161.1 million sf completed or active. Realizing > 2.7 million sf/month in new projects

Barriers, challenges, gaps:

- Separation of customer capital and O&M budgets.
- Overcoming decision-making based on 1st cost (fostering increased use of Life Cycle Assessment -LCA)
- Verification of building performance

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

- Substantial ramp-up potential.
- Like many other NYSERDA SBC programs participation has been curtailed to ensure that committed funds would not exceed the budget.
- Incentive caps will be increased and marketing effort expanded, particularly in the NYC metropolitan area.
- Additional funding, staff and support contractors are needed to ramp up resource delivery.

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Co-benefits: LEED projects have significant environmental benefits and a number of firms have formed to handle LEED and sustainable analysis, energy modeling, geothermal heat pump design and installation and provide commissioning services.

Other issues/considerations:

NYSERDA received US Green Building Council Leadership Award for Green Building Program; NYS looked to as model for High Performance Building programs throughout country.