



New York State Energy Research and Development Authority

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November 1, 2007

BY ELECTRONIC MAIL

Hon. Rudy Stegemoeller
Hon. Eleanor Stein
Administrative Law Judges
NYS Public Service Commission
Three Empire State Plaza
Albany, New York 12223-1350

Re: Case 07-M-0584 – Proceeding on Motion of the Commission
Regarding an Energy Efficiency Portfolio Standard

Dear Judges Stegemoeller and Stein:

Attached in further response to the Ruling Setting Collaborative Agenda and Modifying Comment Schedule, issued on September 13, 2007, as modified by your letter of October 1 in the above-referenced proceeding, please find NYSERDA's "Identification of Fast-Track Energy Efficiency Programs and Additional Funding and Savings Opportunities." This is to supplement the Comments we served on October 15, 2007, as was contemplated by our initial cover letter.

Respectfully submitted,

/s/

New York State Energy Research and
Development Authority

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cc: Active Party List

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New York State Energy Research and Development Authority

Response to Administrative Law Judges' Letter dated October 1, 2007

Identification of Fast-Track Energy Efficiency Programs and Additional Funding and Savings Opportunities

EXECUTIVE SUMMARY

This paper is being submitted in the Energy Efficiency Portfolio Standard (EPS) proceeding before the New York State Public Service Commission (Case 07-M-0548) in response to the letter to active parties from Administrative Law Judges Eleanor Stein and Rudy Stegemoeller, dated October 1, 2007. The paper (1) identifies NYSERDA's oversubscribed and proposed fast track programs that could quickly absorb additional funding for near-immediate impact, (2) lists the funding requested and energy savings expected by program, and (3) addresses the effectiveness of said programs. Some of the material contained in this paper was previously provided to Working Group 1 – Overall EPS Structure in response to a request for parties to propose a structure for coordinating activities and plans in the EPS and to list fast-track programs.¹ The programs identified by NYSERDA, as part of the existing **New York Energy \$martSM** program portfolio, can be readily expanded to acquire resources and serve customers above and beyond what current program funding levels allow, to help achieve the goals of the proceeding.²

Several of NYSERDA's efficiency programs are currently oversubscribed with more customers interested in participating in programs than current funding levels allow. Several other programs have annual budgets and associated marketing initiatives that are deliberately controlled to pace the level of program expenditures and participant activity to ensure that program funds and services are available through June 30, 2011, the end of the most recently approved funding cycle for the System Benefits Charge (SBC) public benefits program. NYSERDA conducted a full inventory of current programs, including activity and participation levels, program infrastructures in place, and efficiency savings to date, and has determined that eleven of its existing programs can be readily expanded. These eleven programs can quickly accommodate an increase in funding through existing program infrastructures to expedite energy efficiency savings without incurring significant additional fixed program costs.³

¹ NYSERDA. October 15, 2007. Identification of Fast-Track Energy Efficiency Programs and Additional Funding and Savings Opportunities. Submitted to Working Group 1 in Case 07-M-0548 – Energy Efficiency Portfolio Standard proceeding.

² Funding provided by the System Benefits Charge (SBC) and administered by NYSERDA as the **New York Energy \$martSM** Program.

³ Since the October 15 submission to Working Group 1, some minor adjustments were made to the aggregate program summary provided in Table 2 and the Program Summary sheets in Attachments 1 and 2 of this paper to correct computational errors.

NYSERDA's **New York Energy \$martSM** programs have proven capable of being expanded, as demonstrated by their growth from the initial 1998 System Benefits Charge (SBC) program through the current funding cycle. As with most new programs, NYSERDA's program costs were front-loaded to create the market infrastructure and implementation contractor business base that is the platform for program expansion. This market infrastructure is critical for the success of any program. As a result, many of NYSERDA's programs are well positioned to ramp up quickly to acquire more resources and serve more customers with additional funding.

Collectively, through the 11 programs identified, NYSERDA can immediately deliver additional savings of up to 693 GWh annually, for the first two years of the EPS and an additional 866 GWh annually, over the next six-year period between January 2010 and December 2015, yielding a cumulative average annual savings of 6,580 GWh, by 2015. To achieve these savings NYSERDA would administer \$209 million of additional program funding⁴ during the first two years of the EPS and an additional \$261 million of program funding annually during the next six-years. By 2015, a cumulative eight-year savings of 6,580 GWh per year above and beyond SBC-funded savings would be produced through the expenditure of \$1,986 million. Each of the proposed fast-track programs listed is currently being administered as part of the **New York Energy \$martSM** SBC funded program portfolio. The proposed fast-track programs (1) can absorb more funding quickly, (2) provide balance regarding opportunities to participate across sectors and parts of the State, and (3) provide cost-effective energy efficiency savings. The average cost per kWh from this proposed portfolio of programs is \$0.013/kWh.

The 11 NYSERDA programs which can immediately be expanded to produce additional efficiency savings are listed in Table 1:

Table 1

Commercial & Industrial Sector	Residential Sector
<ol style="list-style-type: none">1. High Performance New Construction2. Existing Commercial Buildings3. Process Improvements4. Technical Assistance5. Financing6. Market Development	<ol style="list-style-type: none">1. New York ENERGY STAR® Homes2. EmPowerSM3. ENERGY STAR® Market Support4. Multi-Family Building Performance5. Home Performance with ENERGY STAR®
Note: Program descriptions, budgets, and planned efficiency savings are provided in the attachments to this paper.	

It should be noted that NYSERDA is currently evaluating additional new energy efficiency programs to support the 15 by 15 EPS initiative. This report and Table 1 address only those programs and initiatives that can be immediately (*i.e.*, in the next two-years) expanded or "fast-tracked" toward the 15% energy reduction by 2015. By necessity,

⁴ Funding for administration, evaluation, cost recovery fee and potentially for program marketing, as proposed in the *Mass Media and Marketing* section below, would be required in addition to the specified program funding. This new funding is expected to be provided through the EPS, and does not represent nor would NYSERDA recommend, accelerating use of SBC funds.

this exercise has not yet included due consideration of research and development opportunities or needs due to the longer nature of such investments.

INTRODUCTION

New York is currently undertaking an energy savings program of unparalleled proportions. In April 2007, New York Governor, Eliot Spitzer, called for a 15% reduction in electricity usage in 2015 compared to the current projected level for that year. This “15 by 15 initiative” has since been broadened to include natural gas as well as electricity usage and puts the State on track to an economically sound and clean energy future. The ambitious 15 by 15 initiative will reduce the State’s dependence on fossil fuel-based electricity generation and electricity imports; natural gas in end-use applications; greenhouse gas emissions in the State; and provide economic development opportunities by growing and sustaining energy efficiency product, technology, and service industries within the State. Expansion of New York’s manufacturing base through the development, adaptation and adoption of processes that reduce energy use, mitigate environmental effects, bolster productivity and improve product quality, as well as attract and retain technical and professional jobs in energy-related fields, is crucial to New York’s economic future. Energy efficiency programs that are implemented to achieve the 15 by 15 goal must be designed with the longer term goal of creating a sustainable clean energy industry and innovation economy in New York to foster job creation.

The achievement of the 15 by 15 goal will require a concerted and dedicated effort by all key energy efficiency stakeholders in the State. All entities in the energy industry will be challenged to maximize their unique strengths and capabilities, in cooperation and collaboration with one another, to move the State toward a clean and efficient energy future. A series of recent and ongoing actions demonstrate the willingness and interest of parties to work together to achieve the 15 by 15 goal. A partial listing of these events includes:

- Governor Eliot Spitzer and Lt. Governor David A. Paterson April 19, 2007 announcement of a comprehensive plan for reducing energy costs and curbing pollution in New York, focusing on energy efficiency, conservation, and investment in renewable energy sources as the keys to achieving economic and environmental goals;
- New York State Public Service Commission’s (PSC) May 16, 2007 order initiating the Energy Efficiency Portfolio Standard (EPS) proceeding;⁵
- New York Department of Public Service’s August 28, 2007 Staff Proposal for Energy Efficiency Program design and delivery;⁶

⁵ Case 07-M-0548, Proceeding on Motion of the Commission Regarding an Energy Efficiency Portfolio Standard, Order Instituting Proceeding (issued May 16, 2007).

⁶ Case 07-M-0548, New York State Department of Public Service Staff Preliminary Proposal For Energy Efficiency Program Design and Delivery, dated August 28, 2007.

- New York State Energy Research and Development Authority (NYSERDA) EPS White Paper,⁷ dated September 10, 2007, and the interest statements of other parties;⁸ and
- Establishment of the EPS Working Groups.

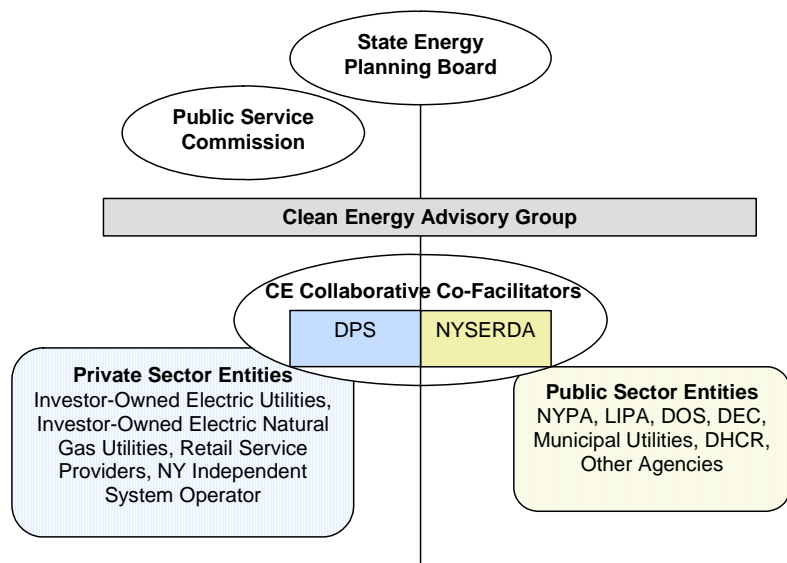
NYSERDA submits this document to support and advance the ongoing energy efficiency planning and coordination efforts underway and planned in the EPS proceeding. Specifically, the Clean Energy Collaborative structural framework (see Figure 1) first described in NYSERDA's EPS White Paper is again recommended and further developed, and NYSERDA programs that can be promptly expanded and "fast tracked" to realize energy efficiency gains are identified.

CLEAN ENERGY COLLABORATIVE

A broad and inclusive collaboration model was put forth by NYSERDA as a means for guiding the planning, implementation, and evaluation of New York's Clean Energy (CE) programs generally, and the EPS effort specifically. A general discussion of various participant roles and responsibilities, along with a description of various Clean Energy programs and initiatives were provided in the NYSERDA EPS White Paper. While this document strives to further develop the EPS White Paper, it primarily focuses on three areas:

1. CE Collaborative planning and coordination;
2. CE Collaborative centralized service platforms; and
3. NYSERDA fast track programs.

Figure 1- Structure of Clean Energy Collaborative



PLANNING AND COORDINATION

As previously described in the NYSERDA EPS White Paper, the CE Collaborative will be a deliberative body convened to discuss and help guide energy efficiency and renewable

⁷ New York State Energy Research and Development Authority Energy Efficiency Portfolio Standard White Paper, dated September 10, 2007

⁸ Including Dormitory Authority of the State of New York, Joint Utilities, Natural Resources Defense Council, New York City, and Long Island Power Authority.

energy resource development. CE Collaborative participants, while working toward general consensus, will still have their own interests and responsibilities independent of the Collaborative and will be free to participate in regulatory and administrative proceedings advocating on behalf of their organizations and constituents. Nonetheless, CE Collaborative participants will be expected to cooperate with one another, resolve issues, and inform decision-making.

The New York State Department of Public Service (DPS), acting under the guidance and direction of the Public Service Commission (PSC), will serve in a key leadership capacity on the CE Collaborative by co-facilitating the Collaborative. NYSERDA will serve as DPS's co-facilitator. DPS and NYSERDA will bring private and public entities together to plan and implement energy saving initiatives in the State. NYSERDA and DPS will jointly call meetings of the Collaborative, set agendas, and preside over meetings. The Collaborative will determine budgetary needs associated with the CE Programs and will facilitate discussions and provide recommendations to pertinent governing bodies regarding mechanisms for meeting the financial needs of the various programs. It is anticipated that all New York energy users, regardless of their energy provider, will be required to contribute to and will also be eligible to receive benefits from the many energy efficiency programs that will be offered in the State by a variety of program administrators.

DPS will continue to lead open and transparent initiatives, such as the EPS proceeding, to obtain ideas, suggestions, and input from New York's energy community. NYSERDA and other State entities will participate in the DPS proceedings to ensure the cross-fertilization of ideas and consideration of both public and private sector concerns and issues. Both DPS and NYSERDA will actively consider and evaluate the various perspectives, and advise their respective governing bodies, accordingly. Ultimately, it is anticipated that the PSC will use its regulatory authority to determine the level of EPS funding necessary, establish and approve CE programs administered by utilities and NYSERDA, and set generic program standards and guidance, as needed and appropriate.

CENTRALIZED SERVICE PLATFORMS

In addition to the recognized need to have a statewide, coordinated approach to CE planning, NYSERDA recommends that centralized service platforms be established for three aspects of all CE programs. *Specifically, NYSERDA recommends that the following areas to be centralized and standardized:*

- 1. Mass Media Marketing and Messaging*
- 2. Data Management and Reporting*
- 3. Program Evaluation Practices*

1. Mass Media Marketing and Messaging

Through its experience as administrator of the SBC funds over the past eight years, NYSERDA has learned that some basic level of standard messaging and branding associated with mass communication of energy efficiency messages and general awareness is essential to program success. Public confusion, frustration, and a consequent disinclination to participate in advertised Clean Energy initiatives can be the result of uncoordinated, inconsistent, and confusing messaging; thus, a central statewide coordinator is needed. *NYSERDA is recommending that it serve as this central coordinator of a statewide mass marketing media effort that is designed and delivered to support consumer awareness of energy efficiency and the availability of a portfolio of programs that will be offered by a variety of entities across the State.* While it is believed that a statewide general Mass Media Marketing and Messaging Program will be supportive of all CE program administrator's efforts, NYSERDA is not proposing to do the specific marketing for individual programs other than its own, unless requested to do so by other administrators. NYSERDA encourages individual program administrators to build off the centralized mass media efforts by co-branding and otherwise building-off statewide mass media efforts as they market their programs to customers.

Within the context of this recommendation, *NYSERDA is recommending that a separate budget be allocated for statewide mass marketing of the energy efficiency message and that NYSERDA be the administrator of this effort.* A portion of the centralized mass marketing budget would be set-aside to assist specific program administrators in building upon the statewide effort, but the primary responsibility for marketing of individual programs would remain with the individual program administrators. NYSERDA is also recommending that a specific percentage of each individual program administrator's funding be set-aside to support program-specific marketing efforts.

2. Data Management and Reporting

Based on its experience to date in administering the SBC-funded **New York Energy \$martSM** public benefits program, *NYSERDA recommends that each EPS program administrator collect, analyze, and report data on energy efficiency program spending and achievements in a similar manner.* It is critical that performance indicators be established for each program, regardless of administrator, and that data quality standards be established and protected through consistently applied data collection, analysis, storage, and management practices. Existing performance indicators, data collection protocols and processes, and data storage systems currently used by NYSERDA and the utilities administering efficiency programs should be modified to conform to standards collaboratively established in this proceeding.

Reporting templates should be developed so that all administrators report the same data and information in a consistent format and frequency. *NYSERDA recommends that quarterly and annual reports be filed with the PSC and distributed to all CE Collaborative members. Information on efficiency program budgets, implementation status, overall performance, and outcomes (impacts), including savings achieved and anticipated would be included in the reports.* In this manner, program impacts could be aggregated across

all program administrators easily and correctly to assess progress toward the 15 by 15 goal.

3. Clean Energy Program Evaluation Practices

NYSERDA recommends that evaluation protocols be standardized across all programs regardless of program administrator and that evaluation funding be established as a fixed percent of the EPS program portfolio. Evaluation activities should be designed, overseen, directed, and managed by an objective independent body similar to the System Benefits Charge Advisory Group, created by a Memorandum of Understanding (MOU) between DPS and NYSERDA, for overseeing and reporting on the evaluation of NYSERDA's **New York Energy \$martSM** Program.⁹ The Clean Energy Advisory Committee (CEAG) would be composed of: representatives of energy and environmental industry and associations, building trade associations, State agencies, consumer and equipment product manufacturer groups, and other organizations. EPS program administrators would be represented on the CEAG. One seat on the CEAG would represent all utility program administrators, and one seat would represent all public-benefit program administrators. Under the MOU, DPS and NYSERDA will provide the staffing and assistance needed for the CEAG to fulfill its role. As the EPS Independent Program Evaluator, the CEAG would ensure that all program administrators are consistently evaluating programs and routinely collecting data and information in a manner that supports statewide data aggregation and reporting.

Prior to the launch of major EPS programs, the CEAG would establish common terminology, direct measurement standards, statistical standards, and measurement and verification protocols (as necessary beyond what is defined within this report). In addition, per the DPS Staff Proposal, the CEAG would provide overall guidance to:

- Oversee and guide implementation of the EPS evaluation effort;
- Coordinate evaluation, especially for customers participating in multiple programs under the auspices of multiple organizations;
- Coordinate cross-cutting, statewide evaluation studies;
- Review goals proposed by EPS program administrators, and at a higher level for all programs collectively;
- Review program progress against stated goals, including serving in an advisory role and suggesting adjustments based on performance; and
- Ensure that programs offered by different administrators are complementary and not competing for customers in a counterproductive manner.

⁹ A central advisory committee, analogous to the SBC Advisory Group, should be established with responsibility for providing oversight of all components of the evaluation program, possibly with subcommittees serving individual program categories (*e.g.*, commercial new building construction), customer sectors (*e.g.*, low income), and evaluation activities (*e.g.*, impact assessment).

As stated above, DPS and NYSERDA would provide support and assistance to the CEAG. DPS and NYSERDA would execute the general guidance set forth by the CEAG. If a consensus is not reached by the CEAG on certain evaluation standards or protocols, DPS and NYSERDA would jointly make a determination based on the various opinions expressed by CEAG members. DPS would oversee development of specific evaluation plans and reports for programs operated by utilities or other entities under its jurisdiction. NYSERDA would coordinate the development of specific evaluation plans and reports for public-run programs by NYPA, LIPA, DASNY, DOS and DHCR.

Each program administrator would be responsible for the day-to-day management and conduct of evaluation activities for their programs using competitively selected third-party evaluation contractors. Management and conduct of these evaluations would be in accordance with the standards and protocols agreed to by the CEAG, DPS and program administrators, and the evaluation plans reviewed and approved by DPS or NYSERDA. Program evaluation efforts should be fully integrated with program design and implementation so that data and information on participants, non-participants, impacts, market effects, and other relevant metrics are collected regularly throughout the programs' operations.

The DPS Staff Proposal recognized the need to balance evaluation costs and data reliability. DPS Staff proposed an evaluation budget between 2-6 percent of the overall program budget. NYSERDA's experience evaluating the range of SBC and other programs over the past several years indicates that an evaluation budget of 5 percent of the overall EPS program budget is necessary. A budget of less than 5 percent would constrain the 15x15 evaluation activities.

NYSERDA PROGRAMS – FAST-TRACK OPPORTUNITIES

This section of the document identifies existing NYSERDA statewide energy efficiency programs that have been demonstrated to be effective through New York's SBC program and that can be readily "fast-tracked." Upon the allocation of additional funding, the programs listed below can be expanded quickly to deliver higher levels of energy savings. Table 2 includes:

- a list of the NYSERDA energy efficiency programs that can provide additional energy savings with additional funding;
- the total additional program funding (\$418 million) that these 11 programs could efficiently deploy in the first two "fast-track" years of the EPS (Jan 2008 through December 2009) and the associated energy savings;
- the total additional program funding (\$1,567 million) need to administer the 11 programs in the subsequent six years of the EPS (January 2010 through December 2015) and the associated energy savings; and
- the total EPS program funding (\$1,986 million) and associated energy savings for the full eight years of the EPS.

NYSERDA is currently evaluating and will be proposing specific new energy efficiency programs and initiatives over and above its current energy efficiency portfolio to support the 15 by 15 initiative. This report addresses only those programs that can be immediately expanded or “fast-tracked” toward the 15% energy reduction by 2015.

Attachments 1 and 2 include a description, budget, and expected savings for NYSERDA’s proposed fast-track business and residential sector programs, respectively. In addition, attachments 1 and 2 begin to identify crucial independent and partnering roles for investor owned utilities in the delivery of EPS programs. NYSERDA believes additional discussion and collaboration regarding the crucial role of the investor-owned utilities in the EPS and the successful achievement of the 15 by 15 goal is desirable and warranted.

Each of the proposed fast-track programs listed is currently being administered as part of the **New York Energy \$martSM** SBC funded program portfolio. The proposed fast-track programs (1) can absorb more funding quickly, (2) provide balance regarding opportunities to participate across sectors and parts of the State, and (3) provide cost-effective energy efficiency savings. The average cost per kWh saved for this proposed portfolio of programs is \$0.013/kWh. The cost per kWh for each individual program is provided in Table 3, below. Programs listed are cost-effective compared to avoided electricity costs, avoided natural gas costs, or both.

FAST-TRACK FUNDING

The 15 by 15 goal will require the continuation of SBC programs at their current funding levels through 2011 and beyond to 2015. Accelerated use of uncommitted SBC funds to achieve EPS objectives is not recommended. Funding for the EPS programs should be provided through the PSC proceeding that applies a volumetric-based surcharge to all gas and electric customers from all areas of the state, regardless of service provider. There are currently no administrative barriers to expansion of these programs. This fast-track program proposal assumes:

- All customers will be eligible to participate, including those currently exempt from SBC and various electric and gas rate case programs.
- Administrative costs, *e.g.*, staffing, offices, contractors, will increase commensurate with funding.

Table 2

NYSERDA STATEWIDE PROGRAMS – FAST TRACK OPPORTUNITIES				
Commercial & Industrial Opportunities		Residential Opportunities		
<ul style="list-style-type: none"> • High Performance New Construction • Existing Commercial Buildings • Process Improvements • Technical Assistance • Financing • Market Development 		<ul style="list-style-type: none"> • New York ENERGY STAR® Homes • EmPowerSM • ENERGY STAR® Market Support • Multi-Family Building Performance • Home Performance with ENERGY STAR® 		
EPS Fast-Track Programs Initial 2 Years Jan 2008 – Dec 2009	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$209 M	693	207	1,436,000
	Total Budget 2-Yr Cumulative	Projected Annual Savings – 2 Yr Cumulative		
		GWh	MW	MMBTU
	\$418 M	1,390	414	2,873,000
EPS Fast-Track Programs 6 Years Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$261 M	866	258	2,167,000
	Total Budget 6-Yr Cumulative	Projected Annual Savings - 6-yr Cumulative		
		GWh	MW	MMBTU
	\$1,567 M	5,190	1,550	13,000,000
TOTALS EPS Fast-Track Programs 8 Years Jan 2008 - Dec 2015	Total Budget 8-Yr Cumulative	Projected Annual Savings - 8-Yr Cumulative¹⁰		
		GWh	MW	MMBTU
	\$1,986 M	6,580	1,960	15,880,000

¹⁰ Installations to achieve savings might lag, based on when the funds are committed.

Table 3

NYSERDA Program Costs Per Unit Energy			
	Total Program Budget	Proportioned Program Budget (between kWh and MMBTU)	
	(\$/kWh)	(\$/kWh)	(\$/MMBTU)
Commercial & Industrial Programs			
High Performance New Construction	0.015	0.013	1.3
Existing Commercial Buildings	0.017	0.014	1.4
Process Improvements	0.011	0.010	0.97
Technical Assistance	0.002	0.002	0.18
Financing	0.019	0.016	1.6
C&I Sector Averages	0.013	0.011	1.1
Residential Programs			
New York ENERGY STAR® Homes	0.230	0.025	2.5
EmPower SM	0.080	0.045	4.5
ENERGY STAR® Market Support	0.015	0.011	1.1
Multi-Family Building Performance	0.041	0.026	2.6
Home Performance with ENERGY STAR®	0.260	0.040	4.0
Residential Sector Averages	0.046	0.024	2.4
Portfolio Average	0.016	0.013	1.3

ATTACHMENT 1 – Commercial and Industrial Sector Programs

COMMERCIAL & INDUSTRIAL SECTOR High Performance New Construction Program

High Performance New Construction Program

Program Description:

The High Performance New Construction Program provides technical assistance and financial incentives to design and construct high performance buildings. These designs will result in buildings that consume less electric and gas energy. Target participants are building owners, architects and engineering firms. Custom and whole building incentives are available.

Utility Role:

- Market the program to all new building projects.
- Identify customer requests for new electric service hookups.
- Provide post-construction review of utility bills and comparison to projected energy performance.
- Co-sponsor Energy Code training sessions across the state.
- Promote advanced metering strategies with customers, including remote and web-based metering solutions.

Department of State Role:

- Administer training.
- Develop training and supervise contract trainers.
- Update the Energy Code.

Specific Program Initiatives

High Performance Buildings	Project incentive caps will be increased to encourage large projects to participate. Marketing efforts will be increased to locate additional applicants. Streamlined application processes will allow for standardized program participation.
Code Advancement Support	Provide funds to DOS to conduct additional training sessions on the Energy Code. NYSERDA to continue to provide technical and analytical support to review potential code updates and their impacts.
Technology Adoption	NYSERDA to evaluate new technology applications in New Construction Program projects and identify where they can become standard practice and part of Code requirements. Continue to advance the integration of advanced technologies in buildings through incentives and technical assistance.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
EPS Fast-Track Programs Jan 2008 - Dec 2009	\$28 M	121	28	108,000
	Total Budget 2-Yr Cumulative	Projected Annual Savings – 2 Yr Cumulative		
		GWh	MW	MMBTU
	\$56 M	242	56	216,000
EPS Program Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$40 M	147	34	216,000
	Total Budget 6-Yr Cumulative	Projected Annual Savings – 6 Yr Cumulative		
		GWh	MW	MMBTU
	\$240 M	883	204	1,300,000
TOTAL EPS Program Jan 2008 – Dec 2015	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$296 M	1,130	260	1,510,000

COMMERCIAL & INDUSTRIAL SECTOR

Existing Commercial Buildings Program

Existing Commercial Buildings Program

Program Description:

The Existing Buildings Program provides technical assistance and financial incentives to a wide variety of initiatives that achieve energy use and peak load reductions in existing buildings. Initiatives under this program include: activities supporting the development of efficiency standards for equipment and appliances; broad solicitations for kWh and MW reduction projects to foster new energy efficiency applications and ideas; large re-lamping projects; and energy auditing of small commercial businesses to identify low-cost or no-cost energy efficiency opportunities.

Utility Role:

- Market and promote the program to large energy consumers.
- Preliminary market analyses and consumer education regarding appliance and equipment standards.
- Auditing, direct installation and lighting projects for small businesses.

DASNY, NYPA Roles:

- Continue and expand partnering efforts with NYSERDA to provide technical and financial support for public sectors.

Specific Program Initiatives

Performance-Based kWh Resource Acquisition	A set of comprehensive sector-based offerings to achieve performance-based kWh reduction using “Standard Offer,” or “Least-Cost Solicitation” approaches. State-wide distributed generation and web-enabled advanced metering program offerings.
Peak Load Management (kW) Resource Acquisition	Provides incentives for equipment and technical solutions that enable significant demand reduction (MW) resources while requiring participation in NYISO demand response programs.
Appliance & Equipment Standards	Activities supporting standards development and outreach to consumers, retailers, and manufacturers.
Lighting Program	Technical and financial support for lighting projects in commercial buildings.
Direct Install	Provide energy efficiency services to small commercial businesses, specifically targeting sectors, such as, strip malls, small convenience stores, laundromats, and non-chain restaurants.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
EPS Fast-Track Programs Jan 2008 - Dec 2009	\$65 M	221	100	270,000
	Total Budget	Projected Annual Savings – 2 Yr Cumulative		
	2-Yr Cumulative	GWh	MW	MMBTU
	\$130 M	442	199	540,000
EPS Program Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$80 M	272	122	540,000
	Total Budget	Projected Annual Savings – 6 Yr Cumulative		
	6-Yr Cumulative	GWh	MW	MMBTU
	\$480 M	1,630	734	3,240,000
TOTAL EPS Program Jan 2008 – Dec 2015	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$610 M	2,070	933	3,780,000

COMMERCIAL & INDUSTRIAL SECTOR

Process Improvements Program

Process Improvements Program

Program Description:

Process Improvements are complex projects with large energy, economic development and productivity benefits. Process improvements will be predominantly in the industrial sector. Municipal water and waste-water and data centers are examples of other sectors which will also provide some impact. This program is the implementation path for process improvement projects developed through FlexTech and Focus. Performance-based incentives will be provided for cost-effective process improvements.

To ensure that new technologies are introduced to the market to provide additional savings to meet EPS goals, NYSERDA will propagate emerging process technology that is ready for commercial viability. Critical EPS support will help overcome market barriers and drive the advancement of new energy efficient processes and technologies into the marketplace.

Utility Role:

- Promote the program to targeted customers. Provide referrals and outreach to customers.
- Identify and inform NYSERDA of potential customers and projects.
- Participate in a steering committee to select and promote new technologies.

ESD, NYCEDC, NYPA, NYSDEC, NYCDEP, NYSEFC

- Provide outreach to customers, identify and support projects, and promote the program.
- Develop energy efficiency standards for water and wastewater treatment plants upgrades.

Specific Program Initiatives

Industrial Process	Evaluate and implement cost-effective process improvements to industrial customer' operations while expanding the use of new and underutilized energy efficient technologies to the marketplace.
Municipal Water and Wastewater	Provide information, technical and financial services to municipal officials and operators of water and wastewater systems to implement energy efficient process improvements.
Emerging Technology Transitions	Fund and support technologies and process improvements through independent evaluation to demonstrate cost-effectiveness, resource delivery and market viability. Examples include: product purification, integrated energy equipment, solid state cooling, advanced process controls & sensor, and district energy mini-grids.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
EPS Fast-Track Programs Jan 2008 - Dec 2009	\$18 M	100	15	146,000
	Total Budget	Projected Annual Savings – 2 Yr Cumulative		
	2-Yr Cumulative	GWh	MW	MMBTU
	\$36 M	199	30	292,000
EPS Program Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$30 M	153	23	225,000
	Total Budget	Projected Annual Savings – 6 Yr Cumulative		
	6-Yr Cumulative	GWh	MW	MMBTU
	\$180 M	918	138	1,350,000
TOTAL EPS Program Jan 2008 – Dec 2015	Total Budget	Projected Annual Savings – 8 Yr Cumulative		
	8-Yr Cumulative	GWh	MW	MMBTU
	\$216 M	1,120	168	1,640,000

COMMERCIAL & INDUSTRIAL SECTOR

Technical Assistance Program

Technical Assistance Program

Program Description:

The FlexTech Technical Assistance Program provides end use customers with cost-shared objective information. It is a valuable analysis tool for all fuel types, and provides objective analysis of fuel trade-offs and fuel switching options. The products are customized energy efficiency studies targeted at specific customer needs and objectives. New and expanded initiatives would include: retro-commissioning, energy master planning, long-term energy management, combined heat and power (CHP), enhanced sector-based analyses expanding upon the SBC Focus initiative, and carbon footprint analysis and reduction. Energy audit program provides walkthrough audits to small businesses, not-for-profits, and other non-residential facilities to allow them to make informed energy decisions and encourage the implementation of energy efficiency strategies.

Utility Role:

- Promote the program to customers and provide referrals.
- Assume responsibility for walk-through instant audits to small businesses, not-for-profits, and other non-residential facilities
- Bill inserts and mass marketing due to unique connection to customers.
- Include a direct installation option and follow-up services to assist customers in installing recommendations.

NYPA Role:

- Expand collaboration with NYSERDA technical assistance services for eligible public entities working on energy conservation projects.

Specific Program Initiatives

FlexTech

The FlexTech Technical Assistance Program provides cost-shared, objective technical assistance and energy analysis to end use customers specific to the end user needs and objectives.

Walkthrough Audits

NYSERDA would continue administering the current audit program for two years with the intent of aiding the transition of the program responsibilities and administration to the utilities.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
EPS Fast-Track Programs Jan 2008 - Dec 2009	\$4 M	98	18	225,000
	Total Budget 2-Yr Cumulative	Projected Annual Savings – 2 Yr Cumulative		
		GWh	MW	MMBTU
	\$8 M	195	36	450,000
EPS Program Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$5 M	122	22	450,000
	Total Budget 6-Yr Cumulative	Projected Annual Savings – 6 Yr Cumulative		
		GWh	MW	MMBTU
	\$30 M	730	135	2,700,000
TOTAL EPS Program Jan 2008 – Dec 2015	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$38 M	924	171	3,150,000

COMMERCIAL & INDUSTRIAL SECTOR

Financing Program

Financing Program

Program Description:

Financing programs support the implementation of energy efficiency and process improvement projects by lowering the cost of borrowing funds. This improves the financial payback for the businesses and institutions and encourages additional efficiency projects where access to low cost capital is critical.

Utility Role:

Offer low-interest on-bill financing for prescribed items

DASNY and NYPA:

Assist with financing using mechanisms for which each agency is uniquely suited, e.g., bonding

Specific Program Initiatives

Loan Fund

Provides funds to reduce the interest rate on loans for energy efficiency projects issued by a network of participating lenders.

State Invest

NYSERDA uses a tax-exempt municipal lease structure to finance performance-based energy efficiency projects developed through the State EnVest Program. This structure is an off-budget financing mechanism and is not considered state debt.

Institutional & Local Government Invest

A new effort will be developed to bring the option of tax-exempt municipal lease financing to institutions and local governments. A group of financing entities would be pre-qualified for the financing. Once NYSERDA finishes project development, the financiers can propose financing to the customer on a mini-bid basis.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
EPS Fast-Track Programs Jan 2008 - Dec 2009	\$15 M	46	28	55,000
	Total Budget 2-Yr Cumulative	Projected Annual Savings – 2 Yr Cumulative		
		GWh	MW	MMBTU
	\$30 M	92	57	110,000
EPS Program Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$20 M	61	38	110,000
	Total Budget 6-Yr Cumulative	Projected Annual Savings – 6 Yr Cumulative		
		GWh	MW	MMBTU
	\$120 M	367	230	661,000
TOTAL EPS Program Jan 2008 – Dec 2015	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$150 M	459	287	771,000

COMMERCIAL & INDUSTRIAL SECTOR Market Development Program

Market Development Program

Program Description:

The Market Development Program uses funds to develop the infrastructure for delivery of energy efficiency solutions, and to more quickly move markets and products to higher efficiency levels. Activities target manufacturers, distributors, vendors, contractors, energy service providers, and others who routinely interact with commercial and industrial customers. Sector-focused strategies are used to address particular needs and opportunities of various customer types, in order to accomplish efficiency projects and increase participation in NYSERDA programs.

Utility Role:

- Provide training resources and assistance in recruiting business partners.
- Provide utility data to streamline benchmarking process
- Assistance in identifying market opportunities and project selection.

Specific Program Initiatives

Business Partners	Expand recruitment of Business Partners in areas such as commercial kitchen equipment vendors, financial lenders, HVAC installers, lighting contractors, and other mid- and upstream players.
Sector Focus	Expand capacity to serve sector markets (e.g., commercial real estate, hospitality, healthcare, industrial, water, university, and local government) via account management services, technical assessments, and financial analyses.
Data Centers	Focus on customer education and training; developing partnerships with equipment manufacturers, service providers and other mid stream players.
Innovative Opportunities	Identify new, original market opportunities for energy efficiency that show great promise, but are not yet addressed through exiting NYSERDA programs. Projects would be commenced during initial two years, with benefits fully realized in the out years.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

EPS Fast-Track Programs Jan 2008 - Dec 2009	Annual Budget	<i>Savings are projected in the other Commercial & Industrial Programs.</i>
	\$15 M	
	Total Budget 2-Yr Cumulative	
	\$40 M	
EPS Program Jan 2010 - Dec 2015	Annual Budget	
	\$25 M	
	Total Budget 6-Yr Cumulative	
	\$150M	
TOTAL EPS Program Jan 2008 – Dec 2015	Total Budget 8-Yr Cumulative	
	\$190 M	

ATTACHMENT 2 – Residential Sector Programs

RESIDENTIAL SECTOR

New York ENERGY STAR® Homes Program

New York ENERGY STAR® Homes Program

Program Description:

The New York ENERGY STAR® Homes program encourages the adoption of energy-efficient design features and the selection and installation of high efficiency equipment in new construction and substantial renovation projects. Technical assistance and financial incentives are provided to participating homebuilders who construct or substantially renovate one-to-four family homes that use approximately 30% less energy than conventionally built homes. Independent third-party verification by a certified Home Energy Rating System (HERS) rater ensures that the home complies with program guidelines. The program also provides technical and financial incentives to HERS raters.

Utility Role:

Distribution of promotional and educational materials.
Customer referrals.
Promotion of HERS scoring system.

Department of State Role:

Assist with marketing of builder and subcontractor training opportunities. Provide contact information for builders.

Specific Program Initiatives

Assisted New York ENERGY STAR® Homes	Assisted New York ENERGY STAR® Homes Program helps low to moderate income homebuyers, who fall below the 80% of state median income level, by providing additional financial incentives to assist them in building energy efficient homes.
Trade Association Partnerships	Strategic partnerships with trade associations such as the New York State Builders' Association (NYSBA) help foster market transformation of the new home construction industry.
Third Party Ratings and Quality Assurance	Independent inspection of new homes by certified Home Energy Rating System (HERS) raters ensures proper construction standards are being upheld. The HERS score for a home determines the amount of incentive that a builder earns and provides access to current and future federal tax credits. The New York ENERGY STAR® Homes Program also includes a vibrant quality assurance and quality control system to help ensure proper consumer protections.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
EPS Fast-Track Programs Jan 2008 - Dec 2009	\$7 M	3.7	1	152,000
	Total Budget 2-Yr Cumulative	Projected Annual Savings – 2 Yr Cumulative		
		GWh	MW	MMBTU
	\$14 M	7	2	304,000
EPS Program Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$5.5 M	2.8	0.7	118,000
	Total Budget 6-Yr Cumulative	Projected Annual Savings – 6 Yr Cumulative		
		GWh	MW	MMBTU
	\$32.9 M	17	4	710,000
TOTAL EPS Program Jan 2008 - Dec. 2015	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$47	24	6	1,015,000

RESIDENTIAL SECTOR EmPower New YorkSM Program

EmPower New YorkSM Program

Program Description:

The **EmPower New YorkSM** program services low-income households by offering a combination of electric reduction, building shell and heating system measures to reduce the household energy burden. **EmPower New YorkSM** services are delivered by a network of weatherization agencies and private contractors, all of whom are accredited by the Building Performance Institute. The program seeks to coordinate with the federally funded Weatherization Assistance Program whenever possible. There is no charge to income-eligible households for program services. In-home energy education is provided to all participants. Additionally, all participants are invited to attend energy and financial management workshops that are offered to the public at no charge.

Utility Role:

- Distribution of promotional and educational materials.
- Referral of participants in low-income payment assistance programs to **EmPower New YorkSM** for efficiency services and financial management workshops.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

EPS Fast-Track Programs Jan 2008 - Dec 2009	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$7.5 M	8.7	1.2	42,800
Total Budget 2-Yr Cumulative		Projected Annual Savings – 2 Yr Cumulative		
		GWh	MW	MMBTU
	\$15 M	17.4	2.3	85,700
EPS Program Jan 2010 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$10 M	11.6	1.5	57,100
	Total Budget 6-Yr Cumulative	Projected Annual Savings – 6 Yr Cumulative		
		GWh	MW	MMBTU
	\$60 M	69.4	9.2	343,000
TOTAL EPS Program Jan 2008 - Dec. 2015	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$75 M	87	11	428,000

RESIDENTIAL SECTOR ENERGY STAR® Products Program

ENERGY STAR® Market Support Program

Program Description:

The **ENERGY STAR® Market Support Program** includes **ENERGY STAR® Products**, Program Marketing, and Outreach (Energy Smart Communities). The goal of this program is to build consumer demand for energy efficient products by getting a larger volume and variety of energy efficient products into the market; by increasing consumer familiarity, acceptance and preference for energy efficient products; and ultimately increasing the wide-spread installation and use of these products in New York State homes. Program Marketing provides comprehensive, synergistic marketing to drive consumer building owner participation in residential programs.

Utility Role:

- Distribution of promotional and educational materials.
- Bounties on replacement of air conditioners and refrigerators.
- Coupon program for compact fluorescent lamps (CFLs) for low-income households.

Specific Program Initiatives

ENERGY STAR® Products Market Transformation

The **ENERGY STAR® Products** program provides co-op promotion and market-share incentives to mid- and up-stream partners, sales staff training, free point-of-purchase materials, listing on GetEnergySmart.org website, participation in statewide/national initiatives, coordination with/connection to other NYSERDA mid-stream partners (builders, contractors, etc) in exchange for market share data. The additional funding will be used to increase promotions of energy efficient lighting and to expand the program to installed products, *i.e.*, heating, cooling, domestic hot water.

ENERGY STAR® Products (HVAC)

The goal of NYSERDA's **ENERGY STAR® Products (HVAC)** program is to provide co-op incentives to mid-stream partners and distributors for promoting ENERGY STAR labeled and qualified heating equipment. Also provided is a sales staff training, free point-of-purchase material, listing on GetEnergySmart.org website, and participation in statewide initiatives. The focus is to increase sales and market share of high efficient HVAC products; increasing consumer familiarity, acceptance and preference for energy efficient products; and ultimately increasing the wide-spread installation and use of these products in New York State homes.

Residential Program Marketing & Outreach

The Market Support Program also includes multimedia, mass media and local/grass-roots marketing for all of the residential program, including the New York Energy Smart Communities Program. Additional funding will be needed to drive additional participation levels in the residential programs.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding & energy savings)*

TOTAL EPS Program Jan 2008 - Dec 2015 (Energy Star® Products)	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$10 M	77.6	14.1	165,031
	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$80 M	621	113	1,320,000
Residential Program Marketing Jan 2008 - Dec 2015	Annual Budget	<i>Savings projected in the other Residential Programs.</i>		
	\$10 M			
	Total Budget 8-Yr Cumulative			
	\$80 M			

RESIDENTIAL SECTOR

Multi-Family Performance Program

Multi-Family Performance Program

Program Description:

The **Multi-Family Performance Program** provides assistance to owners and developers of multifamily buildings to improve the energy efficiency of their buildings by applying the latest in building science technology to a specific building's design and daily operation. The Multifamily Building Performance Program has two tracks, one for existing buildings and the other for new buildings or complete gut-rehabilitation projects. Additional low-income incentives are available in each track. For those buildings unable to achieve the target 20% energy reduction, the Multi-Family Performance Program provides financing incentives for cost-effective measures.

Utility Role:

Customer referrals and program promotion.

Specific Program Initiatives

Existing Buildings

The building owner selects a Multifamily Performance Partner from a partner network, made up of engineers, energy consultants, and other industry professionals. The Multifamily Performance Partner will help the building owner complete a program application, benchmark the building's energy performance compared to a set of similar buildings, and prepare an Energy Reduction Plan. Depending on the building's relative rank, a performance target is set for the building. Implementation of the Energy Reduction Plan and confirmation of achievement of the target makes the building eligible for NYSERDA incentives. Both technical incentives and financial incentives are available. If a building is already very efficient and cannot achieve a 20% energy savings, the program provides financing incentives for cost effective improvements.

New Buildings & Gut-Rehabilitation

The Multifamily Partner works with the developer's design team to ensure the project's design will achieve a modeled performance target of at least 20% better than a reference building based on ASHRE Standard 90.1-2004 Appendix G and NYSERDA's Simulation Guidelines.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

TOTAL EPS Program Jan 2008 - Dec 2015	Annual Budget	Projected Annual Savings		
		GWh	MW	MMBTU
	\$10M	13.9	1.2	87,600
	Total Budget 8-Yr Cumulative	Projected Annual Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$80M	111	9.2	701,000

RESIDENTIAL SECTOR

Home Performance with ENERGY STAR® Program

Home Performance with ENERGY STAR® (HPwES) Program

Program Description:

The **Home Performance with ENERGY STAR®** Program is designed to provide energy efficiency services to existing one-to-four family homes. HPwES is a performance-based program that emphasizes a “house as a system” approach to residential home improvement. Homeowners are provided with recommended energy efficient improvements from a participating Building Performance Institute (BPI)-accredited contractor. The BPI-contractor provides home improvement recommendations based on a Comprehensive Home Assessment that uses advanced diagnostic testing equipment and energy modeling computer software to identify the energy efficiency measures that are most needed to achieve a targeted level of cost-effective investment. Low interest financing options are available to encourage the homeowner to enter into an agreement with the BPI-accredited contractor to install the recommended energy efficiency improvements. In addition, to financial incentives for homeowners, **Home Performance with ENERGY STAR®** provides training and financial incentives to contractors who want to become BPI certified and to purchase diagnostic equipment needed to conduct home performance testing. The HPwES Program also includes a vibrant quality assurance and quality control system to help ensure proper consumer protections.

Utility Role:

- Distribution of promotional and educational materials.
- Customer referrals, such as,
 - residential customers with high energy bills
 - residential customers that are unable to pay their energy bill
 - all new residential hook-ups.
- Secure additional financing options for installation of energy efficiency measures.

Department of State Role:

Support contractor training opportunities by:

- assisting with the promotion and marketing of workforce development and BPI accreditation programs, and
- providing contact information for residential contractors by service area

Specific Program Initiatives

Assisted Home Performance with ENERGY STAR®

Assisted Home Performance with ENERGY STAR® provides energy efficiency services to customers with one-to-four family homes that fall below the 80% state median income level. Customers below 60% of the state median income level are also eligible for the Weatherization Assistance Program and **EmPower New YorkSM**.

Workforce Development

Workforce development provides continuing educational training in building science technology and preparing candidates for Building Performance Institute (BPI) certification. The training is conducted at community colleges and learning centers strategically located across NYS, the primary focus is to create a skilled, knowledgeable workforce infrastructure for the building trades. A secondary goal is to integrate building science into secondary vocational building and HVAC trades courses and post-secondary credit courses.

Financing

Low-interest financing options are available to encourage homeowners to implement the energy efficiency improvements that are recommended based on the Comprehensive Home Assessment.

Energy Efficiency Portfolio Standard (EPS) Enhancements *(Additions to current funding and energy savings)*

	Annual Budget	Annual Projected Savings		
		GWh	MW	MMBTU
EPS Fast-Track Programs Jan 2008 - Dec 2009	\$15 M	4.5	0.6	184,000
	Total Budget 2-Yr Cumulative	Total Projected Savings – 2 Yr Cumulative		
		GWh	MW	MMBTU
	\$29 M	9.0	1.3	369,000
EPS Program Jan 2010 - Dec 2015	Annual Budget	Annual Projected Savings		
		GWh	MW	MMBTU
	\$16 M	4.8	0.7	198,000
	Total Budget 6-Yr Cumulative	Total Projected Savings – 6 Yr Cumulative		
		GWh	MW	MMBTU
	\$94 M	29	4.2	1,190,000
TOTAL EPS Program Jan 2008 – Dec 2015	Total Budget 8-Yr Cumulative	Total Projected Savings – 8 Yr Cumulative		
		GWh	MW	MMBTU
	\$124 M	38	5.5	1,560,000