

New York State Energy Research and Development Authority

Energy Efficiency Portfolio Standard (EEPS-2) Program

Quarterly Report to the Public Service Commission
Quarter Ending December 31, 2014

Final Report

March 2015

NYSERDA's Promise to New Yorkers:

NYSERDA provides resources, expertise, and objective information so New Yorkers can make confident, informed energy decisions.

Mission Statement:

Advance innovative energy solutions in ways that improve New York's economy and environment.

Vision Statement:

Serve as a catalyst – advancing energy innovation, technology, and investment; transforming New York's economy; and empowering people to choose clean and efficient energy as part of their everyday lives.

Core Values:

Objectivity, integrity, public service, partnership, and innovation.

Portfolios

NYSERDA programs are organized into five portfolios, each representing a complementary group of offerings with common areas of energy-related focus and objectives.

Energy Efficiency and Renewable Energy Deployment

Helping New York State to achieve its aggressive energy efficiency and renewable energy goals – including programs to motivate increased efficiency in energy consumption by consumers (residential, commercial, municipal, institutional, industrial, and transportation), to increase production by renewable power suppliers, to support market transformation, and to provide financing.

Energy Technology Innovation and Business Development

Helping to stimulate a vibrant innovation ecosystem and a clean energy economy in New York State – including programs to support product research, development, and demonstrations; clean energy business development; and the knowledge-based community at the Saratoga Technology + Energy Park® (STEP®).

Energy Education and Workforce Development

Helping to build a generation of New Yorkers ready to lead and work in a clean energy economy – including consumer behavior, youth education, workforce development, and training programs for existing and emerging technologies.

Energy and the Environment

Helping to assess and mitigate the environmental impacts of energy production and use in New York State – including environmental research and development, regional initiatives to improve environmental sustainability, and West Valley Site Management.

Energy Data, Planning, and Policy

Helping to ensure that New York State policymakers and consumers have objective and reliable information to make informed energy decisions – including State Energy Planning, policy analysis to support the Regional Greenhouse Gas Initiative and other energy initiatives, emergency preparedness, and a range of energy data reporting.

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Program Quarterly Report to the Public Service
Commission**

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New York State Energy Research and Development Authority

Albany, NY

March 2015

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1 Introduction

This quarterly report reflects progress on Energy Efficiency Portfolio Standard (EEPS-2) Program evaluation activities administered by the New York State Energy Research and Development Authority (NYSERDA). This report contains the anticipated schedule and status of current and upcoming evaluation studies, summaries of recently completed evaluations, and the status of evaluation recommendations through December 31, 2014. Information contained within this report comports with the guidance received from the New York State Department of Public Service (DPS) and discussed with the Evaluation Advisory Group in July 2012 and the E2 Working Group in March 2014.

2 Evaluation Reports Completed

NYSERDA finalized no evaluation reports in the fourth quarter of 2014.

3 Evaluation Status Update

Table 3-1 and Table 3-2 provide the anticipated schedule and status of current and upcoming impact, process, and market evaluation activities by program. As applicable, table notes provide further clarification and information about study timing. Planned evaluation projects and timing may change based on input from internal and external stakeholders, the EEPS evaluation review that is underway, and program progress. Likewise, evaluation project schedules are subject to change based on progress in administering the evaluation studies themselves. Future quarterly reports will highlight any timeline revisions. Timeline revisions made this quarter are designated by cell shading. PY denotes program year and Q denotes quarter.

Table 3-1. Impact Evaluation Schedule and Status

EEPS Program	Impact Evaluation Schedule					
	Detailed Evaluation Plan Submittal	Project Kickoff	Data Collection Complete	Draft Report	Final Report	Notes
Industrial & Process Efficiency (Phase 2)	Completed	Completed	Completed	Q1 - 2015	Q1 - 2015 for M&V	Pre-installation evaluation advisement is ongoing. Measurement & Verification (M&V) work completed; draft report in progress.
Existing Facilities	Completed	Completed	Completed	Q2 - 2015	Mid 2015	Draft work plan in review. M&V field work completed; analysis in progress.
Agriculture	TBD	TBD	TBD	TBD	TBD	On hold.
New Construction	Completed	Completed	TBD	TBD	TBD	Field work in progress.
Agriculture Disaster	Completed	Completed	Completed	Completed	Completed	Final report completed July 2014. Program closed. No further evaluations planned.
FlexTech	Completed	Completed	TBD	TBD	TBD	On hold.
Commercial Existing Buildings Non-Participant Spillover Study	Completed	Completed	Completed	Completed	Completed	Report finalized.
Multifamily Performance Program	Completed	Completed	Completed	Completed	Q1 - 2015	

Table 3-1 continued

EEPS Program	Impact Evaluation Schedule					
	Detailed Evaluation Plan Submittal	Project Kick-off	Data Collection Complete	Draft Report	Final Report	
Point of Sale (POS) Lighting	Completed	Completed	Completed	Completed	Completed	Reports for 2012-2013 finalized in May 2014
EmPower New York	Completed	Completed	Phase 2 Completed	Phase 2 Completed	Phase 2 Q1 - 2015	Phase 1 billing analysis completed. Phase 2 report review in progress.
Home Performance with ENERGY STAR®	Completed	Completed	Phase 2 Q1 - 2015	Phase 2 Q2 - 2015	Phase 2 Q2- 2015	Phase 1 billing analysis completed. Phase 2 draft work plan for fieldwork is in development, this phase will be an engineering review of savings estimates and realization rates. Phase 3 will address attribution.
New York ENERGY STAR® Certified Homes	TBD	TBD	TBD	TBD	2015	Analysis is underway to determine optimal timing and scope of evaluation results that will be of greatest value. Previous impact evaluation of PY 2007 - 2008 completed in September 2012.

Table 3-2. Process and Market Evaluation Schedule and Status

EEPS Program	Process and Market Evaluation Schedule					
	Detailed Evaluation Plan Submittal	Project Kick-off	Data Collection Complete	Draft Report	Final Report	Notes
Existing Facilities	Completed	TBD	TBD	TBD	TBD	Last process evaluation completed in February 2012. Last market evaluation completed in September 2012.
Agriculture	TBD	TBD	TBD	TBD	TBD	On hold.
New Construction	Completed	Completed	Completed	Completed	Completed	Final report completed October 2014.
Agriculture Disaster	Completed	Completed	Completed	Completed	Completed	Final report completed September 2012. Program closed. No further evaluations planned.
FlexTech	Completed	Completed	Completed	Completed	Completed	Final report completed July 2014.
Multifamily Performance Program	Completed	Completed	Completed	Completed	Completed	Final report completed August 2014.
Point of Sale Lighting	Completed	Completed	Completed	Completed	Completed	Reports for 2012-2013 finalized in May 2014.
EmPower New York	Completed	TBD	TBD	TBD	TBD	Last process evaluation completed in July 2010. Planning for next process evaluation on hold pending Clean Energy Fund development.
Home Performance with ENERGY STAR®	Completed	Completed	Q3 - 2014	Q4 - 2014	Q1 - 2015	Surveys are completed, secondary data is currently being analyzed.
New York ENERGY STAR® Certified Homes	TBD	TBD	TBD	TBD	TBD	NYSERDA to identify research and evaluation needs for this market.
C&I Natural Gas Market Characterization	Completed	Completed	Completed	Completed	Completed	Report finalized.

3.1 Recommendation Tracking

Recommendations generated from NYSERDA evaluation studies are tallied in Table 3-3. Cell shading designates that a change has been made since the last Quarter Report. These recommendations are categorized as follows:

- Total Number of Recommendations Made to Date: Cumulative number of recommendations contained in final NYSERDA evaluation reports.
- Total Number of Recommendations Implemented to Date: Cumulative number of recommendations contained in final NYSERDA evaluation reports that have been implemented by NYSERDA and incorporated into NYSERDA programs.
- Total Number of Recommendations Rejected to Date: Cumulative number of recommendations contained in final NYSERDA evaluation reports that have been rejected by NYSERDA.
- Total Number of Recommendations Currently in Progress: Cumulative number of recommendations contained in final NYSERDA evaluation reports that NYSERDA is still considering for implementation or rejection.

Table 3-3. Recommendation Tracking

Total Number of Recommendations:	Through December 31, 2014
Made to Date ¹	205
Implemented to Date	151
Rejected to Date	21
Currently in Progress	33

¹ The Total Number of Recommendations Made to Date only includes recommendations made in Final (not Interim) evaluation reports.

4 Other

Per the DPS reporting guidance, this section provides an opportunity to report significant activities or events not already reflected in the report. This section is not for reporting routine activities.

There are no other significant activities requiring explanation for the fourth quarter of 2014.

NYSERDA, a public benefit corporation, offers objective information and analysis, innovative programs, technical expertise, and funding to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels. NYSERDA professionals work to protect the environment and create clean-energy jobs. NYSERDA has been developing partnerships to advance innovative energy solutions in New York State since 1975.

To learn more about NYSERDA's programs and funding opportunities, visit nyserderda.ny.gov or follow us on Twitter, Facebook, YouTube, or Instagram.

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State of New York
Andrew M. Cuomo, Governor

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New York State Energy Research and Development Authority
Richard L. Kauffman, Chair | John B. Rhodes, President and CEO

