

New York State Energy Research and Development Authority

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# Energy Efficiency Portfolio Standard (EEPS II) Program

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

Final Report  
June 2014



# 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 and technology, transforming New York's economy, 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.



# **Energy Efficiency Portfolio Standard (EEPS II) Program**

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**Quarter Ending March 31, 2014**

*Final Report*

Prepared by:

**New York State Energy Research and Development Authority**

Albany, NY

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# 1 Introduction

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

## 2 Evaluation Reports Completed

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NYSERDA did not finalize any evaluation contractor reports in the first quarter of 2014.

### 3 Evaluation Status Update

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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, 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 Kick-off	Data Collection Complete	Draft Report	Final Report	Notes
Industrial & Process Efficiency (Phase 2)	Completed	Completed	Q2 2014	Q3 - 2014	Q3/Q4 - 2014	Pre-installation evaluation advisement is ongoing. Early Measurement & Verification (M&V) field work is nearly complete. Draft work plan, including attribution approach, under review.
Existing Facilities	Q2 2014	TBD	TBD	TBD	Late 2014 - Early 2015	Detailed evaluation plan and work plan in parallel development.
Agriculture	Q1 2014	TBD	TBD	TBD	TBD	Evaluation planning underway.
New Construction	Completed	Completed	TBD	TBD	TBD	Sampling approach being revised.
Agriculture Disaster	Completed	Completed	Completed	Q1 - 2014	Q2 - 2014	Drafting of final report in progress.
FlexTech	Completed	Completed	Q4 2014	Q2 2015	Q3 2015	Work plan in development. Interim report planned for Q4 2014.
Non-Participant Spillover Study	Completed	Completed	Completed	Completed	Completed	Report finalized.
Multifamily Performance Program	Completed	Completed	Completed	Q2 - 2014	Q2 - 2014	All site visits completed and results under review.

**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	Q3 - 2012	Q3 - 2013	Q4 - 2013	Q2 - 2014	Res POS and Hours of Use (HOU) reports for 2012-2013 will be finalized in May 2014.
EmPower New York	Completed	Completed	Phase 2 Q3 - 2014	Phase 2 Q4 - 2014	Phase 2 Q4 - 2014	Phase 1 billing analysis completed. Phase 2 preparations for data collection in progress.
Home Performance with ENERGY STAR®	Completed	Phase 2 Q2 - 2014	Phase 2 Q3 - 2014	Phase 2 Q4 - 2014	Phase 2 Q4 - 2014	Phase 1 billing analysis completed – draft results memo issued and in review. Phase 2 draft work plan in development. Phase 3 will address attribution.
New York ENERGY STAR® Certified Homes	TBD	TBD	TBD	TBD	2015	There have been multiple program changes which have had substantial impact on the Program. Research is underway to determine when sufficient time has elapsed to provide evaluation results that will be of value to the Program. 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	Q1-2014	TBD	TBD	TBD	2015	Last process evaluation completed in February 2012. Last market evaluation completed in September 2012.
Agriculture	Q1-2014	TBD	TBD	TBD	2016	Now expected to be a separate evaluation from Existing Facilities.
New Construction	Completed	Q1 - 2013	Q3 - 2013	Q4 - 2013	Q2 - 2014	Final report submitted to DPS and comments received in late March 2014. Final formatted report expected by June 2014.
Agriculture Disaster	Q4 - 2011	Q4 - 2011	Q3 - 2012	Q3 - 2012	Q3 - 2012	Previous evaluation completed in October 2012. No further evaluation planned.
FlexTech	Completed	Q2 - 2013	Q4 - 2013	Q1 - 2014	Q3 - 2014	Last market evaluation completed in August 2011. Study planned in 2012-2014 is a process evaluation only. Benchmarking was removed from this evaluation as there were no Benchmarking activities conducted.
Multifamily Performance Program	Completed	Q1 - 2013	Q4 - 2013	Q1 - 2014	Q2 - 2014	Draft report submitted to DPS in early April 2014. Final report expected by June 2014.
Point of Sale Lighting	Completed	Q3 - 2012	Q3 - 2013	Q4 - 2013	Q2 - 2014	Res POS and Hours of Use (HOU) reports for 2012-2013 will be finalized in May 2014.

**Table 3-2 continued**

EEPS Program	Process and Market Evaluation Schedule					
	Detailed Evaluation Plan Submittal	Project Kick-off	Data Collection Complete	Draft Report	Final Report	Notes
EmPower New York	Completed	TBD	TBD	TBD	TBD	Last process evaluation completed in July 2010.
Home Performance with ENERGY STAR®	Completed	Q2 - 2013	Q3 - 2014	Q3 - 2014	Q4 - 2014	Program theory and Logic model (PTLM) final draft in review, staff interviews completed, and surveys are in development.
New York ENERGY STAR® Certified Homes	Q2 - 2014	TBD	TBD	TBD	2015	NYSERDA intends to develop a work plan in the first half of 2014 for near-term activities that will best inform future programs.
C&I Natural Gas Market Characterization	Completed	Completed	Completed	Q2 - 2012	Q3 - 2012	

### 3.1 Recommendation Tracking

Recommendations generated from NYSERDA evaluation studies are tallied in Table 3-3. 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**

	<b>Through March 31, 2014</b>
Total Number of Recommendations Made to Date <sup>1</sup>	182
Total Number of Recommendations Implemented to Date	145
Total Number of Recommendations Rejected to Date	16
Total Number of Recommendations Currently in Progress	21

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

## 4 Other

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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 first quarter of 2014.

# Appendix A: Completed Evaluation Summaries

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This appendix contains a high-level summary of each recently-completed evaluation study. The full report on each evaluation study is available on the NYSERDA website. NYSERDA did not finalize any evaluation contractor reports in the first 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 [nysesda.ny.gov](http://nysesda.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