



**NYSERDA**

# **NY-Sun Initiative Quarterly Performance Report to the Public Service Commission**

**Quarter Ending September 30, 2016**

**Final Report**

## **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.



**NY-Sun Initiative**  
**Quarterly Performance Report to the**  
**Public Service Commission**  
**Quarter Ending September 30, 2016**

*Final Report*

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# 1 Overview of NY-Sun

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## 1.1 Introduction

NY-Sun is a \$1 billion initiative to expand solar capacity throughout New York State by utilizing public funds in a strategic manner to build a self-sustaining solar market. NY-Sun provides financial support to qualified solar installation contractors as well as a comprehensive approach to reducing solar costs and barriers. NY-Sun's goal, referred to as the 3 Gigawatts Goal, is to install three gigawatts (GW) of solar electric capacity by 2023 while building a self-sustaining solar industry.

Through September 30, 2016, 679 MW of solar have been installed statewide with NYSERDA funding, and an additional 905 MW are in the pipeline. The NYSERDA-funded solar capacity installed statewide as of September 20, 2016 generates approximately 783,526 MWh of electricity each year, reducing annual carbon dioxide equivalent (CO<sub>2</sub>e) emissions by 412,382 metric tons.<sup>1</sup>

## 1.2 High Level Accomplishments during this Quarter

New York State experienced continued growth in the solar market supported by NY-Sun during the third quarter of 2016. Highlights for this period include:

- In September 2016, NY-Sun transitioned intake and management of project applications to the new NYSERDA Portal. The NYSERDA Portal, which uses the Salesforce customer relationship management software application, streamlines the NY-Sun MW Block incentive administrative process for program contractors and staff.
- Green Jobs Green NY financing is still available for Long Island residents. As of the end of third quarter 2016, 124 “financing only” projects have been completed and 412 additional “financing only” project applications have been received or approved.
- Uptake for the Affordable Solar program, which provides additional incentives for onsite residential projects for low and moderate-income homeowners, increased for customers and contractors during the third quarter of 2016. Thirty-one installations were completed and 24 were approved. Additionally, 20 NY-Sun contractors completed Affordable Solar projects during this time.

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<sup>1</sup> With the submittal of its Clean Energy Fund Investment Plan Budget Accounting and Benefits Chapter on February 22, 2016, NYSERDA adopted the NYS Public Service Commission's recommendation in its January 21, 2016 Order Establishing the Benefit Cost Analysis Framework that New York State's GHG emissions factor methodology shift from an average grid emission profile to a marginal grid emission profile. Due to this shift, New York State's factor to calculate GHG emissions reductions has changed from 625 pounds CO<sub>2</sub>e/MWh to 1,160 pounds CO<sub>2</sub>e/MWh. The emissions reductions calculated for this quarterly report reflect the new factor of 1,160 pounds CO<sub>2</sub>e/MWh.

- “Solarize” campaigns participating in Community Solar NY Round two completed outreach and marketing activities. Round three of Community Solar NY opened on September 6, 2016 with applications from communities due by November 3, 2016.
- The New York State Interconnection Ombudsmen worked closely with utilities and solar developers during the third quarter. As a result of that and other efforts, the backlog of incomplete engineering studies at the utilities was eliminated by the end of July 2016. The Ombudsmen worked with project developers and the utilities on a queue management proposal requiring older projects to move forward or withdraw. That proposal was jointly submitted to the Commission by developers and utilities.

## 2 Progress and Results

Table 2-1. Capacity toward 3GW Goal through September 30, 2016 (MW)<sup>2,3</sup>

Program	Projects Completed (Installed Units) with Adjustments through 6/30/16	Projects Completed (Installed Units) 7/01/16 - 9/30/16	Projects Completed (Installed Units) through 9/30/16	Applications Approved but Not Yet Contracted (Current Pipeline)	Projects Contracted but Not Yet Completed (Current Pipeline)	Total (Current Pipeline + Installed Units) through 9/30/16
Residential / Small Commercial	203.78	26.85	230.63	14.86	130.02	375.51
Commercial / Industrial	6.74	0.00	6.74	42.03	499.71	548.48
Competitive PV	16.83	0.00	16.83	0.00	142.25	159.09
<b>Grand Total</b>	<b>227.35</b>	<b>26.85</b>	<b>254.20</b>	<b>56.89</b>	<b>771.99</b>	<b>1,083.08</b>

<sup>2</sup> 1,000 MW equals one GW.

<sup>3</sup> Residential/Small Commercial Complete Projects (installed units) MW decreased from 227.41 to 227.35 for the previous reporting period due QA/QC of projects. This is reflected in the Projects Completed (Installed Units) with Adjustments through 6/30/16 column.

**Table 2-2. Production Associated with 3GW Goal through September 30, 2016 (MWh)<sup>4</sup>**

Program	Projects Completed (Installed Units) with Adjustments through 6/30/16	Projects Completed (Installed Units) 7/01/16 - 9/30/16	Projects Completed (Installed Units) through 9/30/16	Applications Approved but Not Yet Contracted (Current Pipeline)	Projects Contracted but Not Yet Completed (Current Pipeline)	Total (Current Pipeline + Installed Units) through 9/30/16
Residential / Small Commercial	239,199	31,520	270,720	17,449	152,620	440,789
Commercial / Industrial	7,911	0	7,911	49,335	586,585	643,832
Competitive PV	19,761	0	19,761	0	166,982	186,743
<b>Grand Total</b>	266,871	31,520	298,392	66,784	906,187	1,271,363

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<sup>4</sup> Residential/Small Commercial Complete Projects (installed units) MWh decreased from 266,945 to 266,871 for the previous reporting period due to QA/QC of projects. This is reflected in the Projects Completed (Installed Units) with Adjustments through 6/30/16 column.

**Table 2-3. Budget and Financial Status for NY-Sun Programs as of September 30, 2016 (in dollars)**

<b>Program</b>	<b>Pre-encumbrances</b>	<b>Open Encumbrances</b>	<b>Expended Funds</b>	<b>Grand Total</b>	<b>Budgeted Funds 2014-2023</b>
Residential/Small Commercial	5,411,101	68,712,102	155,742,464	229,865,667	594,634,379
Commercial/Industrial	16,754,572	189,839,985	707,264	207,301,821	489,207,991
Competitive PV	-	78,451,328	2,396,224	80,847,552	80,847,552
Program Implementation	-	688,320	511,430	1,199,750	32,875,000
<b>Total</b>	<b>22,165,673</b>	<b>337,691,734</b>	<b>159,357,382</b>	<b>519,214,790</b>	<b>1,197,564,922</b>

NYSERDA, a public benefit corporation, offers objective information and analysis, innovative programs, technical expertise, and support 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 [nyserdera.ny.gov](http://nyserdera.ny.gov) or follow us on Twitter, Facebook, YouTube, or Instagram.

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