

NY-Sun Initiative Quarterly Performance Report to the Public Service Commission Quarter Ending March 31, 2018

Final Report | May 2018

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 March 31, 2018

Final Report

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1 Overview of NY-Sun

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-sufficient solar industry.

Through March 31, 2018, 992 megawatts (MW) of solar have been installed statewide with NYSERDA funding and an additional 1,092 MW are in the pipeline. The NYSERDA-funded solar capacity installed statewide as of March 31, 2018 generates approximately 1,148,526 megawatt-hours (MWh) of electricity each year, reducing annual carbon dioxide equivalent (CO₂e) emissions by 604,487 metric tons (MT).¹

1.2 High-Level Accomplishments During This Quarter

- Uptake for the Affordable Solar Residential Onsite program during Q1 2018, which provides additional incentives for on-site residential projects for low- to moderate-income homeowners, was comparable to Q4 2017. Through Q1 2018, 319 installations were completed with 70 more in the pipeline. More than 70 NY-Sun contractors have submitted Affordable Solar projects to date.
- The Affordable Solar Predevelopment and Technical Assistance program, which provides funding to support the development of community solar projects serving low- to moderate-income households as well as solar serving multifamily affordable housing properties, approved eight project applications through Q1 2018, with eight predevelopment projects under contract.
- In Q1 2018, the results from the third round of Solarize were announced. In round three, 23 Solarize campaigns participated resulting in 572 rooftop installations and 175 community solar subscriptions, totaling approximately 4.2MW of solar. This was the first round of Solarize that incorporated a community solar component.
- During Q1 2018, 15 additional projects were completed from the Competitive Bid program, totaling 32.7 MW.
- Although the NY-Sun incentives have sunset on Long Island, Green Jobs - Green New York financing is still available for Long Island residents. As of the first quarter of 2018, 842 financing-only Long Island projects have been completed and 131 additional Long Island financing-only project applications have been received or approved.
- The second stakeholder meeting for the redesign of the Small Commercial and Commercial-Industrial MW Block programs was held during Q1 2018. The redesign launch is anticipated in Q2 2018.

- The Clean Energy Siting and Soft Cost Reduction initiative, which seeks to reduce soft cost barriers inhibiting the deployment of clean energy technologies, was launched in Q1 2018.
- Program development for Solar for All, which will expand access to community solar for approximately 10,000 low-income households, continued in Q1 2018. The release of the first Solar for All Request for Proposals (RFP) is anticipated in Q2 2018, with the launch of participant sign up anticipated in Q3 2018.

2 Progress and Results

Table 2-1. Capacity toward 3GW Goal through March 31, 2018 (MW)

See Endnotes section for more information ^{2,3}

| Program | Projects Completed (Installed Units) with Adjustments through 12/31/17 | Projects Completed (Installed Units) 1/01/18 - 3/31/18 | Projects Completed (Installed Units) through 3/31/18 | Applications Approved but Not Yet Contracted (Current Pipeline) | Projects Contracted but Not Yet Completed (Current Pipeline) | Total (Current Pipeline + Installed Units) through 3/31/18 |
|--------------------------------|--|--|--|---|--|--|
| Residential / Small Commercial | 373.43 | 25.88 | 399.31 | 3.16 | 67.56 | 470.02 |
| Commercial / Industrial | 48.51 | 10.89 | 59.39 | 11.80 | 843.24 | 914.44 |
| Competitive PV | 57.37 | 32.40 | 89.77 | 0.00 | 33.44 | 123.22 |
| Grand Total | 479.31 | 69.17 | 548.47 | 14.96 | 944.25 | 1,507.68 |

Table 2-2. Production Associated with 3GW Goal through March 31, 2018 (MWh)

See Endnotes section for more information^{4,5,6}

| Program | Projects Completed (Installed Units) with Adjustments through 12/31/17 | Projects Completed (Installed Units) 1/01/18 - 3/31/18 | Projects Completed (Installed Units) through 3/31/18 | Applications Approved but Not Yet Contracted (Current Pipeline) | Projects Contracted but Not Yet Completed (Current Pipeline) | Total (Current Pipeline + Installed Units) through 3/31/18 |
|--------------------------------|--|--|--|---|--|--|
| Residential / Small Commercial | 438,349 | 30,375 | 468,724 | 3,707 | 79,302 | 551,733 |
| Commercial / Industrial | 56,937 | 12,779 | 69,716 | 13,854 | 989,832 | 1,073,402 |
| Competitive PV | 67,342 | 38,035 | 105,377 | 0 | 39,259 | 144,635 |
| Grand Total | 562,628 | 81,189 | 643,817 | 17,560 | 1,108,393 | 1,769,770 |

Table 2-3. Budget and Financial Status for NY-Sun Programs as of March 31, 2018 (in dollars)

See Endnotes section for more information⁷

| Program | Pre-encumbrances | Open Encumbrances | Expended Funds | Grand Total | Budgeted Funds 2014-2023 |
|------------------------------|-------------------------|--------------------------|-----------------------|----------------------|---------------------------------|
| Residential/Small Commercial | \$1,287,424 | \$24,296,603 | \$226,173,882 | \$251,757,908 | \$533,522,000 |
| Commercial/Industrial | \$2,917,512 | \$280,416,102 | \$8,958,310 | \$292,291,924 | \$478,158,209 |
| Competitive PV | - | \$41,734,284 | \$13,629,508 | \$55,363,791 | \$55,363,791 |
| Program Implementation | \$336,993 | \$1,738,643 | \$3,999,070 | \$6,074,706 | \$32,600,000 |
| Low-Moderate Income | - | \$1,031,118 | \$796,918 | \$1,828,036 | \$13,000,000 |
| Consumer Education | - | \$3,019,886 | \$480,114 | \$3,500,000 | \$3,500,000 |
| Administration | - | \$952,082 | \$6,845,025 | \$7,797,107 | \$38,706,000 |
| Evaluation | - | \$43,882 | \$106,118 | \$150,000 | \$2,500,000 |
| NYS Cost Recovery Fee | - | - | \$1,553,788 | \$1,553,788 | \$19,250,000 |
| Total | \$4,541,929 | \$353,232,599 | \$262,542,732 | \$620,317,261 | \$1,176,600,000 |

Endnotes

- ¹ The Clean Energy Fund Investment Plan Budget Accounting and Benefits Chapter was submitted on February 22, 2016, in which NYSERDA adopted the NYS Public Service Commission's recommendation in its January 21, 2016 Order Establishing the Benefit Cost Analysis Framework. NYSERDA fulfilled the recommendation that New York State's greenhouse gas (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 CO₂e/MWh to 1,160 pounds CO₂e/MWh. The emissions reductions calculated for this quarterly report reflect the new factor of 1,160 pounds CO₂e/MWh.
- ² 1,000 MW equals one GW.
- ³ Changes in numbers for previously reported completed projects are due to lagged data and/or QA/QC.
- ⁴ Changes in numbers for previously reported completed projects are due to lagged data and/or QA/QC.
- ⁵ Note that the megawatt-hours included in Table 2-2 are estimated amounts based on a statewide capacity factor. NYSERDA does not, by filing this report, make any claim to the environmental attributes associated with those megawatt-hours.
- ⁶ The NY-Sun program does not determine the delivery or use of solar energy (MWh) from projects that receive funding. Generation from NY-Sun-funded projects may be used by customers for their own voluntary use or used toward meeting State requirements to deliver renewable energy to electricity customers in New York, depending on ownership of the environmental attributes and/or renewable energy certificates (RECs) from those projects. Where NYSERDA has not acquired the RECs from a NY-Sun-funded project, NYSERDA makes no claim to the environmental attributes of that energy.
- ⁷ Administration, Evaluation, and NYS Cost Recovery Fee are for NY-Sun funds only.

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 nyserda.ny.gov or follow us on Twitter, Facebook, YouTube, or Instagram.

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