

# New York State Renewable Portfolio Standard Customer-Sited Tier Status Report through December 31, 2019

Final Report | March 2020

## **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.

**New York State Renewable Portfolio Standard  
Customer-Sited Tier Status Report  
through December 31, 2019**

*Final Report*

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Albany, NY

March 2020

# Abstract

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This report provides metrics information through December 31, 2019 for all non-solar technologies supported by New York State Energy Research and Development Authority's (NYSERDA) legacy Renewable Portfolio Standard (RPS) Customer-Sited Tier (CST) program. For ease of reference, the report also includes the December 31, 2019 financial status for the totality of the RPS, which includes financial status information specific to these non-solar CST technologies.

NYSERDA's continued support for CST renewables is encompassed in the Clean Energy Fund (CEF), including NY-Sun for solar photovoltaic (PV). Separate reporting on the CEF and NY-Sun metrics and financial status can be found on NYSEDA's website.<sup>1,2</sup>

Separate reporting will also cover NYSEDA's legacy RPS Main Tier metrics and financial status.

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<sup>1</sup> [nyseda.ny.gov/About/Publications/Program-Planning-Status-and-Evaluation-Reports/Clean-Energy-Fund-Reports](https://www.nyseda.ny.gov/About/Publications/Program-Planning-Status-and-Evaluation-Reports/Clean-Energy-Fund-Reports)

<sup>2</sup> [nyseda.ny.gov/About/Publications/Program-Planning-Status-and-Evaluation-Reports/NY-Sun-Performance-Reports](https://www.nyseda.ny.gov/About/Publications/Program-Planning-Status-and-Evaluation-Reports/NY-Sun-Performance-Reports)

# 1 Renewable Portfolio Standard Program Progress as of 12/31/2019

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## Actual and Expected Capacity (MW)

		2015 MW Target (1)	Projects Completed	Projects Contracted but not yet Completed	Grand Total
Fuel Cells	Target MW	8.6			8.6
	MW		9.64		9.64
Anaerobic Digester Biogas	Target MW	31.9			31.9
	MW		10.85	3.18	14.03
On-Site Wind	Target MW	25.5			25.5
	MW		6.72		6.72
Solar Thermal	Target MW	35.1			35.1
	MW		18.60	0.39	18.99
Grand Total	Target MW	101.1			101.1
	MW		45.81	3.57	49.38

## Actual and Expected Annual Generation (MWh)

		2015 MWh Target (1)	Projects Completed	Projects Contracted but not yet Completed	Grand Total
Fuel Cells	Target MWh	66,075			66,075
	Total MWh Progress		70,045		70,045
Anaerobic Digester Biogas	Target MWh	225,490			225,490
	Total MWh Progress		75,225	20,879	96,104
On-Site Wind	Target MWh	61,910			61,910
	Total MWh Progress		15,461		15,461
Solar Thermal	Target MWh	39,954			39,954
	Total MWh Progress		21,831	460	22,292
Grand Total	Target MWh	393,429			393,429
	Total MWh Progress		182,562	21,340	203,902

### Program Notes:

- Target (MW and MWh) for 2015—Cumulative CST expected results 2007–2015 as stated in June 2012 Customer-Sited Tier Program Operating Plan.
- Solar Thermal (MW and MWh)—MW and MWh are calculated using the displaced electric usage from electric water heaters.

## 2 Financial Status Report as of December 31, 2019

Program	Total Budget	Expended <sup>a</sup>	Encumbered <sup>b</sup>	Expended + Encumbered	Expended + Encumbered as % of Total Budget	Pre-encumbrances <sup>c</sup>	Expended + Encumbered + Pre-encumbered	Expended + Encumbered + Pre-encumbered as % of Total Budget	Uncommitted
<b>Main Tier</b>									
RFP 916	\$ 127,439,232	127,439,232	-	127,439,232	100.0%	-	127,439,232	100.0%	-
RFP 1037	147,208,829	147,208,829	-	147,208,829	100.0%	-	147,208,829	100.0%	-
RFP 1168	58,579,093	58,579,093	-	58,579,093	100.0%	-	58,579,093	100.0%	-
RFP 1681	20,108,975	16,499,870	3,609,105	20,108,975	100.0%	-	20,108,975	100.0%	-
RFP 1851	158,819,621	127,744,414	31,075,207	158,819,621	100.0%	-	158,819,621	100.0%	-
RFP 2226	140,092,088	72,431,094	67,660,994	140,092,088	100.0%	-	140,092,088	100.0%	-
RFP 2389	119,319,349	74,543,861	44,775,488	119,319,349	100.0%	-	119,319,349	100.0%	-
RFP 2554	27,966,889	12,505,073	14,036,816	26,541,889	94.9%	1,425,000	27,966,889	100.0%	-
RFP 3084	30,860	30,860	-	30,860	100.0%	-	30,860	100.0%	-
RFP 3257	156,130	98,050	58,080	156,130	100.0%	-	156,130	100.0%	-
Boralx- Maintenance Tier	10,605,020	10,605,020	-	10,605,020	100.0%	-	10,605,020	100.0%	-
Azure- Maintenance Tier	500,000	309,020	190,980	500,000	100.0%	-	500,000	100.0%	-
Lyonsdale - Maintenance Tier	26,275,278	26,275,278	-	26,275,278	100.0%	-	26,275,278	100.0%	-
Generation Attributes Tracking System	91,314	91,314	-	91,314	100.0%	-	91,314	100.0%	-
Available Main Tier/Maintenance Resource Funding <sup>d</sup>	160,726,212	-	-	-	0.0%	-	-	0.0%	160,726,212
<b>Subtotal - Main Tier</b>	<b>997,918,889</b>	<b>674,361,006</b>	<b>161,406,671</b>	<b>835,767,677</b>	<b>83.8%</b>	<b>1,425,000</b>	<b>837,192,677</b>	<b>83.9%</b>	<b>160,726,212</b>
<b>Customer-Sited Tier</b>									
Pre-2014 PV Funding	385,649,457	315,060,180	8,852,317	323,912,497	84.0%	-	323,912,497	84.0%	61,736,960
Fuel Cells	38,597,205	24,926,915	5,245,908	30,172,823	78.2%	-	30,172,823	78.2%	8,424,382
Anaerobic Digesters	55,520,102	25,342,740	14,114,106	39,456,847	71.1%	-	39,456,847	71.1%	16,063,255
Small Wind	14,817,338	13,665,434	-	13,665,434	92.2%	-	13,665,434	92.2%	1,151,904
Solar Thermal	28,443,991	20,355,652	254,905	20,610,557	72.5%	-	20,610,557	72.5%	7,833,434
<b>Subtotal - Customer-Sited Tier</b>	<b>523,028,093</b>	<b>399,350,922</b>	<b>28,467,236</b>	<b>427,818,158</b>	<b>81.8%</b>	<b>-</b>	<b>427,818,158</b>	<b>81.8%</b>	<b>95,209,935</b>
<b>Subtotal - Program Funding</b>	<b>1,520,946,982</b>	<b>1,073,711,928</b>	<b>189,873,907</b>	<b>1,263,585,835</b>	<b>83.1%</b>	<b>1,425,000</b>	<b>1,265,010,835</b>	<b>83.2%</b>	<b>255,936,147</b>
<b>Administration</b>									
Administration - Staff/Overhead	49,782,442	39,052,276	36,925	39,089,200	92.0%	3,910,103	42,999,303	100.0%	-
QAQC-CST		6,072,305	626,834	6,699,139		84,000	6,783,139		-
Administration-Consultant Support	4,033,155	3,953,632	63,595	4,017,228	99.6%	15,927	4,033,155	100.0%	-
NYS Cost Recovery Fee	49,034,025	26,198,130	-	26,198,130	53.4%	2,929,457	29,127,587	59.4%	19,906,438
Evaluation - Staff/Overhead & Consultant Support	2,432,827	1,731,042	63,013	1,794,055	73.7%	638,772	2,432,827	100.0%	-
<b>Subtotal - Administration</b>	<b>105,282,449</b>	<b>77,007,384</b>	<b>790,367</b>	<b>77,797,752</b>	<b>73.9%</b>	<b>7,578,260</b>	<b>85,376,011</b>	<b>81.1%</b>	<b>19,906,438</b>
<b>TOTAL RENEWABLE PORTFOLIO STANDARD</b>	<b>\$ 1,626,229,431</b>	<b>1,150,719,312</b>	<b>190,664,274</b>	<b>1,341,383,587</b>	<b>82.5%</b>	<b>9,003,260</b>	<b>1,350,386,847</b>	<b>83.0%</b>	<b>275,842,584</b>

<sup>a</sup> Expended funds include contractor invoices processed for payment by NYSERDA.

<sup>b</sup> Encumbered funds include remaining funds obligated under a contract, purchase order, or incentive award.

<sup>c</sup> Pre-encumbrances include planned funding for contracts awarded and under negotiation.

<sup>d</sup> The Available funds budget decreased from December 31, 2018 as a result of various Orders issued by the Public Service Commission during 2019, repurposing certain RPS funding.

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