



**NYSERDA**

# **New York State Renewable Portfolio Standard**

**Annual Performance Report  
through December 31, 2017**

**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.

# **New York State Renewable Portfolio Standard**

## **Annual Performance Report through December 31, 2017**

*Final Report*

Prepared by:

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Albany, NY

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This report provides financial status information through December 31, 2017 for NYSERDA's Renewable Portfolio Standard (RPS). The report also provides metrics information through December 31, 2017 for all non-solar technologies supported by the RPS Customer-Sited Tier (CST) program.

NYSERDA's continued support for CST renewables is encompassed in the Clean Energy Fund (CEF), including NY-Sun for solar PV. Separate reporting on the CEF and NY-Sun metrics and financial status can be found on NYSERDA's website.<sup>1,2</sup> The NY-Sun report contains a more holistic representation of NYSERDA's support for solar PV over the years.

NYSERDA's legacy RPS Main Tier metrics are included in the CES Annual Procurement Report, along with metrics information on Tier1 REC-eligible projects awarded under the Clean Energy Standard program.

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

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

## Renewable Portfolio Standard Program Progress as of 12/31/2017

### Actual and Expected Capacity (MW)

		2015 MW Target (1)	Projects Completed	Projects Contracted but not yet Completed	Applications Approved but not yet Contracted	Grand Total
Fuel Cells	Target MW	8.6	0.0	0.0	0.0	8.6
	MW		7.00	4.12	0.44	11.55
Anaerobic Digester Biogas	Target MW	31.9	0.0	0.0	0.0	31.9
	MW		10.22	7.16	0.45	17.83
On-Site Wind	Target MW	25.5	0.0	0.0	0.0	25.5
	MW		6.65	0.08	0.75	7.48
Solar Thermal (2)	Target MW	35.1	0.0	0.0		35.1
	MW		18.30	0.44		18.74
Grand Total	Target MW	101.1	0.0	0.0	0.0	101.1
	MW		42.16	11.80	1.64	55.61

### Actual and Expected Annual Generation (MWh)

		2015 MWh Target (1)	Projects Completed	Projects Contracted but not yet Completed	Applications Approved but not yet Contracted	Grand Total
Fuel Cells	Target MWh	66,075	0	0	0	66,075
	Total MWh Progress		52,568	32,810	3,329	88,706
Anaerobic Digester Biogas	Target MWh	225,490	0	0	0	225,490
	Total MWh Progress		72,976	47,048	2,957	122,980
On-Site Wind	Target MWh	61,910	0	0	0	61,910
	Total MWh Progress		15,363	112	1,201	16,675
Solar Thermal (2)	Target MWh	39,954	0	0		39,954
	Total MWh Progress		21,482	519		22,001
Grand Total	Target MWh	393,429	0	0	0	393,429
	Total MWh Progress		162,388	80,488	7,487	250,363

#### Program Notes:

- (1) 2015 Target (MW and MWh) - Cumulative CST expected results 2007–2015 as stated in June 2012 Customer-Sited Tier Program Operating Plan.
- (2) Solar Thermal (MW and MWh) – MW and MWh are calculated using the displaced electric usage from electric water heaters.

# Financial Status Report as of December 31, 2017

Program	Total Budget	Expended <sup>a</sup>	Encumbered <sup>b</sup>	Expended <sup>a</sup> + Encumbered <sup>b</sup>	Expended <sup>a</sup> - Encumbered <sup>b</sup> as % of Total Budget	Pre-encumbrance <sup>c</sup>	Expended <sup>a</sup> - Encumbered <sup>b</sup> + Pre-encumbrance <sup>c</sup>	Expended <sup>a</sup> - Encumbered <sup>b</sup> + Pre-encumbrance <sup>c</sup> as % of Total Budget	Uncommitted
<b>Main Tier<sup>d</sup></b>									
RFP 916	127,439,232	127,439,232	-	127,439,232	100.0%	-	127,439,232	100.0%	\$ -
RFP 1037	153,535,439	134,670,406	18,865,033	153,535,439	100.0%	-	153,535,439	100.0%	\$ -
RFP 1168	62,765,413	50,640,233	12,125,180	62,765,413	100.0%	-	62,765,413	100.0%	\$ -
RFP 1681	21,171,775	12,796,369	8,375,406	21,171,775	100.0%	-	21,171,775	100.0%	\$ -
RFP 1851 <sup>e</sup>	163,195,721	94,211,415	68,984,306	163,195,721	100.0%	-	163,195,721	100.0%	\$ -
RFP 2226 <sup>f</sup>	144,896,044	53,239,760	91,656,284	144,896,044	100.0%	-	144,896,044	100.0%	\$ -
RFP 2389	121,344,490	51,242,367	70,102,123	121,344,490	100.0%	-	121,344,490	100.0%	\$ -
RFP 2554	26,775,489	7,735,063	17,459,358	25,194,421	94.1%	1,581,068	26,775,489	100.0%	\$ -
RFP 3084	30,860	30,860	-	30,860	100.0%	-	30,860	100.0%	\$ -
RFP 3257	156,130	96,710	59,420	156,130	100.0%	-	156,130	100.0%	\$ -
Boralex - Maintenance Tier	10,605,020	10,605,020	-	10,605,020	0.0%	-	10,605,020	100.0%	\$ -
Azure - Maintenance Tier	500,000	209,500	290,500	500,000	100.0%	-	500,000	100.0%	\$ -
Lvonsdale - Maintenance Tier	27,443,711	26,275,278	1,168,433	27,443,711	100.0%	-	27,443,711	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>g</sup>	572,282,762	-	-	-	0.0%	-	-	0.0%	\$ 572,282,762
<b>Subtotal - Main Tier</b>	<b>\$ 1,432,233,399</b>	<b>\$ 569,283,526</b>	<b>\$ 289,086,043</b>	<b>\$ 858,369,569</b>	<b>59.9%</b>	<b>\$ 1,581,068</b>	<b>\$ 859,950,637</b>	<b>60.0%</b>	<b>\$ 572,282,762</b>
<b>Customer-Sited Tier</b>									
Pre-2014 PV Funding <sup>h</sup>	385,649,457	297,130,336	34,052,404	331,182,740	85.9%	-	331,182,740	85.9%	\$ 54,466,717
Fuel Cells	38,597,205	5,725,000	29,822,205	35,547,205	92.1%	1,000,000	36,547,205	94.7%	\$ 2,050,000
Anaerobic Digesters	55,520,102	22,829,277	29,446,317	52,275,595	94.2%	2,000,000	54,275,595	97.8%	\$ 1,244,507
Small Wind	14,817,338	13,595,474	83,270	13,678,744	92.3%	517,243	14,195,987	95.8%	\$ 621,351
Solar Thermal	28,443,991	20,180,165	1,607,150	21,787,315	76.6%	6,651,094	28,438,409	100.0%	\$ 5,582
<b>Subtotal - Customer-Sited Tier</b>	<b>\$ 523,028,093</b>	<b>\$ 359,460,253</b>	<b>\$ 95,011,346</b>	<b>\$ 454,471,599</b>	<b>86.9%</b>	<b>\$ 10,168,337</b>	<b>\$ 464,639,936</b>	<b>88.8%</b>	<b>\$ 58,388,157</b>
<b>Subtotal - Program Funding</b>	<b>\$ 1,955,261,492</b>	<b>\$ 928,743,778</b>	<b>\$ 384,097,389</b>	<b>\$ 1,312,841,168</b>	<b>67.1%</b>	<b>\$ 11,749,405</b>	<b>\$ 1,224,590,573</b>	<b>67.7%</b>	<b>\$ 630,670,919</b>
<b>Administration</b>									
Administration - Staff/Overhead	49,031,339	38,172,739	62,777	38,235,516	92.2%	3,664,565	41,900,081	100.0%	\$ -
QA/QC-CST	-	5,979,028	998,759	6,977,787	-	153,471	7,131,258	-	\$ -
Administration-Consultant Support	4,784,258	3,934,228	107,375	4,041,602	84.5%	742,656	4,784,258	100.0%	\$ -
NYS Cost Recovery Fee	49,034,025	24,584,547	-	24,584,547	50.1%	24,449,478	49,034,025	100.0%	\$ -
Evaluation - Staff/Overhead & Consultant Support	2,432,827	1,412,637	72,114	1,484,751	61.0%	948,076	2,432,827	100.0%	\$ -
<b>Subtotal - Administration</b>	<b>\$ 105,282,449</b>	<b>\$ 74,083,178</b>	<b>\$ 1,241,025</b>	<b>\$ 75,324,203</b>	<b>71.5%</b>	<b>\$ 29,958,246</b>	<b>\$ 105,282,449</b>	<b>100.0%</b>	<b>\$ -</b>
<b>TOTAL RENEWABLE PORTFOLIO STANDARD</b>	<b>\$ 2,060,543,941</b>	<b>\$ 1,002,826,957</b>	<b>\$ 385,338,414</b>	<b>\$ 1,388,165,370</b>	<b>67.4%</b>	<b>\$ 41,707,651</b>	<b>\$ 1,429,873,022</b>	<b>69.4%</b>	<b>\$ 630,670,919</b>

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

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

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

<sup>d</sup> Main Tier RFP Budgets include Contract Commitments as of December 31, 2017 and include contracted funds yet to be de-encumbered as a result of Main Tier facility underperformance in 2017.

<sup>e</sup> An agreement awarded as a result of RFP 1851 for the Marble River Wind Farm was combined with an agreement awarded under RFP 2226 to reflect an increase in the size of the facility. The committed funding remains separated in the respective solicitation balances shown.

<sup>f</sup> Includes \$355,931,139 from Main Tier contract awards originally scheduled to be funded through approved RPS collections but subsequently determined to be Tier 1 REC-eligible projects and being funded through the Clean Energy Standard. Also includes \$149,843,870 in CEF collections originally approved for the 2016 Main Tier solicitation, but for which the projects awarded under the 2016 solicitation were determined to be Tier 1 REC-eligible projects to be funded through the Clean Energy Standard.

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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