



NYSERDA

New York State Renewable Portfolio Standard

**Annual Performance Report
Through December 31, 2016**

Final Report

March 2017

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.

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Final Report

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Executive Summary

This report summarizes activities conducted through December 31, 2016, by the New York State Energy Research and Development Authority (NYSERDA) and the New York State Department of Public Service (DPS) in implementing the New York State Renewable Portfolio Standard (RPS). The program has reached its final year; therefore, this report documents the program's achievements since its inception in 2004. It includes background on the RPS, objectives and performance against targets, and a summary of overall program outcomes, funding, and expenses. The adoption of a successor program to New York State's RPS, the Clean Energy Standard, is included as well.

A separate report¹ describes progress toward the NY-Sun goal to install 3-gigawatts (GW) of solar electric power and the NY-Sun statewide solar electric programs.

¹ <https://www.nyseda.ny.gov/-/media/Files/Programs/NYSun/2016-Q4.pdf>

1 Background

The RPS was adopted in an Order (Case 03-E-0188) dated September 24, 2004, with a goal of increasing the proportion of renewable energy used by New York State consumers from 19.3% (considered baseline resources) to at least 25% by the end of 2013 and was subsequently revised in an Order, dated January 8, 2010, to 30% by the end of 2015. Program targets to support production of approximately 10.4 million megawatt-hours (MWh) of renewable energy annually by 2015, consist of approximately 9.5 million MWh from the Main Tier and 0.9 million MWh from the Customer-Sited Tier.

The Commission designated NYSERDA as the central procurement administrator for the RPS program responsible for obtaining the Main Tier (larger, utility-scale resources) and Customer-Sited Tier (smaller, behind-the-meter resources) targets with the remainder to be made through a variety of initiatives as described in the following sections.

1.1 Main Tier

NYSERDA, through Main Tier contracts, historically paid a production incentive to renewable electricity generators selected through competitive solicitations for the electricity they deliver for end use in New York State. In exchange for receiving the production incentive, the renewable generator transfers all rights and/or claims to the RPS Attributes² associated with each MWh of renewable electricity generated to NYSERDA, and guarantees delivery of the associated electricity to State ratepayers.

By acquiring the RPS Attributes, rather than the associated electricity, the program ensures increasing amounts of renewable electricity will be injected into the State's power system while minimizing interference with the State's competitive wholesale power markets.

² RPS Attributes or Renewable Energy Certificates include any and all reductions in harmful pollutants and emissions, such as carbon dioxide and oxides of sulfur and nitrogen to catalog and recognize environmental attributes of generation.

1.1.1 Maintenance Resource

Only renewable energy systems installed on or after January 1, 2003, or existing facilities that generate renewable energy incremental to historical levels of renewable energy generation are eligible to participate in the Main- and Customer-Sited Tiers. However, in creating the RPS Program, the Commission recognized that 19.3% of the energy sold at retail in New York State was generated by renewable resources that existed prior to the RPS adoption in 2004 (baseline resources). For the purpose of ensuring the continuing operation of these valuable existing resources, the Commission's September 24, 2004 Order established an additional Maintenance Resource program that was reaffirmed in an April 2010 Order. To be eligible to receive RPS program funding as a Maintenance Resource, a baseline resource is required to demonstrate financial hardship through a formal request to the Commission. The Commission then determines the existence and degree of hardship and decides the eligibility of the facility for Maintenance Resource treatment.

1.1.2 Voluntary Market

Several program design features were incorporated into the Main Tier in an effort to support the ultimate program goal of transitioning to the voluntary market. For example, as a result of a Commission Order and beginning with the second Main Tier solicitation, NYSERDA instituted a limitation that caps bids at 95% of a facility's attributes, thus guaranteeing that a minimum of 5% of the renewable energy generated by contracted resources is available for voluntary sales. Also, an increasing percentage of Main Tier projects have taken advantage of a program design feature that permits partial bidding, thus leaving additional output available for non-RPS sales including the voluntary market in New York State. In addition, NYSERDA provides flexibility for contractors to suspend deliveries in order to make sales to the State's voluntary green market. As of December 31, 2016, three facilities have exercised the suspension option.

According to the Department of Public Service (DPS), in 2015, 328,148 MWhs were purchased by 54 energy service companies, five investor-owned utilities, one public authority, one educational institution, and electric cooperatives.³ This generation excludes Long Island Power Authority transactions and those associated with baseline (pre-existing) resources. The total voluntary market purchases including Long Island Power Authority and baseline resources for 2015 was

³ Visit <http://www3.dps.ny.gov/e/energylabel.nsf> for additional information. The corrected, corresponding number for 2014 is 348,711 MWhs.

1,639,202 MWhs. This total does not include bilateral contractual purchases of renewable energy by load serving entities.

1.2 Customer-Sited Tier

The Customer-Sited Tier (CST) included standard offer programs for Solar Electric, Fuel Cells, Anaerobic Digesters, Small Wind, and Solar Thermal technologies. NYSERDA, in consultation with the DPS, issued the 2012–2015 CST Operating Plan on June 29, 2012, which set forth general program specifications, capacity and generation targets, and associated budget.⁴ In 2014 and early 2015, the CST Standard Offer and Competitive Solar Electric programs were transitioned to a MW Block structure under which the solar electric markets would continue to grow while NYSERDA steadily reduced, and eventually will eliminate, cash incentives in a transparent and predictable manner. The other CST-eligible technologies included separate incentive funding, in addition to a general CST funding pool, which was established by the Commission in 2014.⁵ A separate report describes progress against the NY-Sun 3-GW goal.

In 2016, NYSERDA established the Clean Energy Fund (CEF). As one of Reforming the Energy Vision’s (REV) three strategic pillars, the CEF is designed to deliver on New York State’s commitment to reduce ratepayer collections, drive economic development, and accelerate the use of clean energy and energy innovation. It will reshape the State’s energy efficiency, clean energy, and energy innovation programs. For information on the CEF, please refer to the Clean Energy Fund Report.⁶

1.2.1 Transition from Net Metering

In March of 2017, in pursuit of its REV policies, the Commission issued an order in the Value of Distributed Energy Resources proceeding (VDER Order) that provides for a transition from net metering to a value-based compensation scheme for behind-the-meter resources, and revised Commission policy

⁴ Proceeding on Motion of the Commission Regarding a Retail Renewable Portfolio Standard, “Renewable Portfolio Standard Customer-Sited Tier Program Operating Plan (2012–LSR2015),” filed June 29, 2012.

⁵ Proceeding on Motion of the Commission Regarding a Retail Renewable Portfolio Standard, “Order Authorizing Reallocation of Unencumbered Customer-Sited Tier Program Funds Through 2010 and Resolving Other Issues,” issued and effective September 19, 2011.

⁶ <https://www.nyserderda.ny.gov/-/media/Files/Publications/PPSER/NYSERDA/2016-https://www.nyserderda.ny.gov/-/media/Files/Publications/PPSER/NYSERDA/2016-clean-energy-fund-q4.pdf>

regarding the acquisition of the rights to energy attributes.⁷ Under the RPS program, the Commission directed NYSERDA to acquire the renewable energy attributes from all projects to which it provided financial incentives under the NY-Sun and Customer-Sited Tier programs. In the VDER Order, the Commission provided the following directives:

Effective immediately, NYSERDA shall relinquish all rights to any environmental claims, certificates, attributes or other embodiments or memorializations of those claims for energy produced by any system to which it provided financial incentives under the CST and NY-Sun programs. This directive to relinquish rights applies both to Certificates minted in NYGATS and to all environmental claims, attributes or other embodiments or memorializations of those claims prior to the commencement of NYGATS tracking.⁸

Accordingly, NYSERDA has relinquished all such rights and disavows any and all rights to any environmental claims or renewable energy Certificates for NY-Sun and CST projects to which it made claims under previous policies. The NY-Sun and CST programs do not determine the delivery or use of energy (MWh) from projects that receive funding. Generation from NY-Sun and CST-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 the State, 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 or CST-funded project, NYSERDA makes no claim to the environmental attributes of that energy.

1.3 Successor to New York State’s RPS

In February 2015, the Commission recognized a changed landscape since it first implemented the RPS in 2004 and directed a reassessment of the State’s approach for encouraging the expansion of large-scale renewable energy generation. Although the current RPS goals expired at the end of 2015, a February 26, 2015 Order⁹ directed NYSERDA to issue a budget and plan for a 2016 Main Tier solicitation while a successor program to the State’s RPS was developed and implemented.

⁷ Case 15-E-0751 and Case 15-E-0082; In the Matter of the Value of Distributed Energy Resources, “Order on Net Energy Metering Transition, Phase One of Value of Distributed Energy Resources, and Related Matters,” issued and effective March 9, 2017.

⁸ VDER Order at pp. 70-71.

⁹ Proceeding on Motion of the Commission Regarding a Retail Renewable Portfolio Standard, “Order Adopting Regulatory Policy Framework and Implementation Plan for a reformed retail electric industry;” issued and effective February 26, 2015.

The Commission directed DPS Staff to work with NYSERDA to prepare a Large-Scale Renewable options paper, which NYSERDA filed on June 1, 2015 (Case 15-E-0302). Subsequent to the release of the Options Paper, the State Energy Planning Board issued the 2015 New York State Energy Plan, which proposed that the State achieve 50% of electricity is generated from renewable resources by 2030 (50 by 30 goal).

In December 2015, Governor Andrew M. Cuomo directed the DPS to develop a Clean Energy Standard (CES) and to present the Commission with a program framework for a CES mandating achievement of the 50 by 30 goal. In executing this directive, the Governor noted that the CES is “the most comprehensive and ambitious clean energy mandate in the State's history, to fight climate change, reduce harmful air pollution, and ensure a diverse and reliable energy supply.”

DPS staff filed a CES white paper with the Commission in January 2016. On August 1, 2016, the Commission issued an order adopting the CES. The CES is now under active implementation, with NYSERDA’s first CES solicitation scheduled for April of 2017. Contracts resulting from RPS solicitations may contribute to the CES goals, including a subset of RPS projects with vintages, which are eligible for Tier 1 compliance under the CES (i.e., facilities operational on or after January 1, 2015).

1.4 New York Generation Attribute Tracking System

The New York State Legislature amended the Public Authorities Law to require NYSERDA to establish a generation attribute tracking system, in consultation with DPS, that records electricity generation attribute information within the State. NYSERDA consulted with DPS and the New York Independent System Operator (NYISO), the administrator of the New York wholesale electricity market, and engage stakeholders to create a Web-based electronic information system called the New York Generation Attribute Tracking System (NYGATS). Through NYGATS, entities are able to verify and substantiate ownership of RECs either to support regulatory compliance or to validate environmental attributes in trading markets. NYGATS also characterizes the attributes of electricity imports and exports, and has the capability to interface and exchange information with other certificate tracking systems. The system will serve to substantiate compliance for CES requirements. As previously ordered by the Public Service Commission, this project is supported with Regional Greenhouse Gas Initiative (RGGI) and System Benefits Charge (SBC) environmental disclosure program funding.

The NYGATS system was built and launched in 2016. The platform is currently active and contains generation data from January 2016 to the present. In 2016, the RPS Main Tier Program began using NYGATS as the method by which generation facilities fulfill their contractual obligations to NYSERDA. In 2017, NYGATS uses will include the generation of Environmental Disclosure Program labels for 2016 and the minting of RECs for compliance under the CES.

2 Progress and Results

2.1 Progress and Results – Main Tier

From 2005 through 2016, NYSERDA conducted 11 competitive solicitations in pursuit of the Main Tier target.

Tables 1 and 2 provide progress towards the Main Tier target, separated by progress achieved through the first 10 solicitations in Table 1 and progress from the 11th solicitation in Table 2.

Table 1. NYSERDA Currently Contracted MWh through 2004–2015 Solicitations as of December 31, 2016

	Target	Progress	Progress as % of Target
Main Tier	9,519,765	4,620,194	49%

Table 2. Currently Contracted MWh from 2016 Solicitation¹⁰

	Progress
2016 Solicitation	737,056

Table 3 provides further details on the status of Active Main Tier projects. Summaries of the results of each of the 11 Main Tier solicitations are included in Appendix B. An update of the solicitation contracts is included in Appendix C.

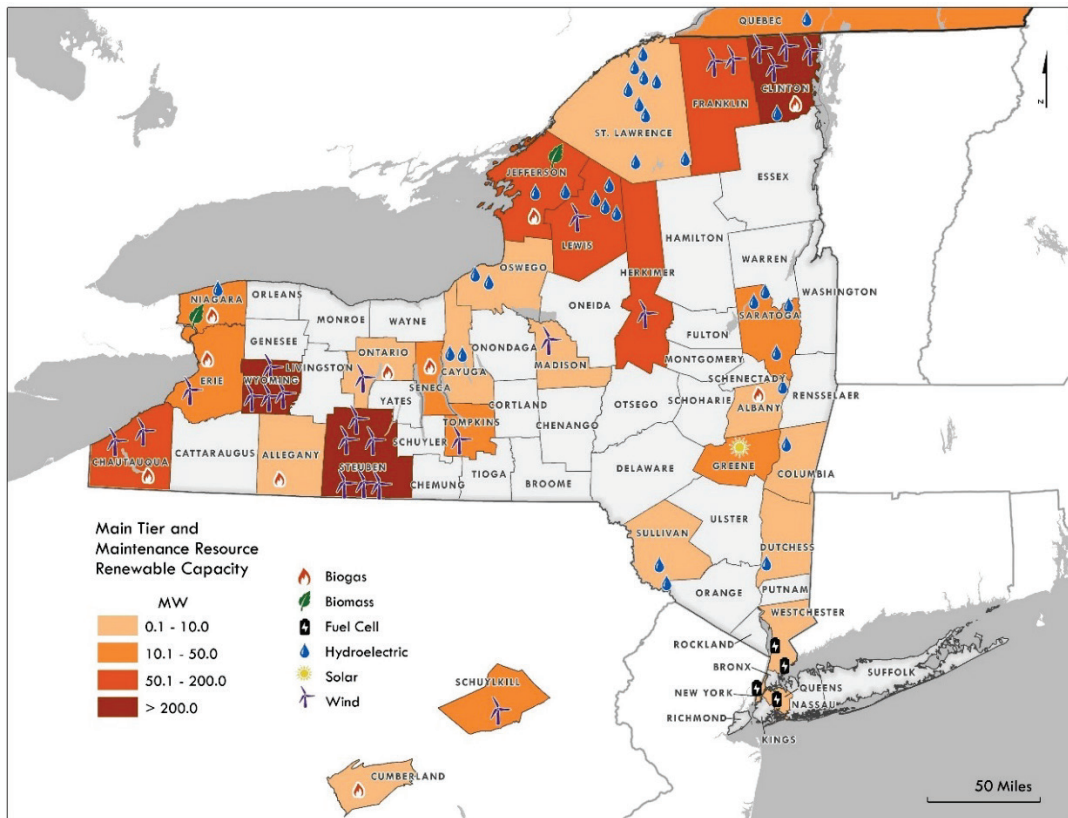
¹⁰ A February 26, 2015 PSC Order directed NYSERDA to conduct an additional RPS Main Tier Solicitation in 2016. \$150 million in funding for this solicitation was confirmed in the PSC's January 21, 2016 Order in the Clean Energy Fund proceeding. An August 1, 2016 PSC Order in the CES proceeding authorized NYSERDA to implement additional procurement levels in the 2016 procurement under defined conditions. The order instructed that the associated costs would be funded through an acceleration of the CES consumption targets for the years 2018–2030.

Table 3. Resource Development Status for Active Main Tier Contracts as of December 31, 2016

	MW Capacity by Stage			Number of Projects by Stage		
	MW Operating	MW in Development/ Construction	Total MW	Number Operating	Number in Development/ Construction	Total Number
Wind	1,429.6	407.30	1,836.85	19	6	25
Hydroelectric	58.68	4.20	62.88	28	4	32
Biomass	69.26	0.00	69.26	2	0	2
Biogas	53.70	2.15	55.85	9	2	11
Fuel Cell	2.05	0.00	2.05	4	0	4
Solar	0.00	49.99	49.99	0	1	1
Total	1,613.2	463.6	2,076.9	62	13	75

Figure 1 identifies the location of each Main Tier and Maintenance Resource facility either under contract or having a pending contract with NYSEDA. Appendix C provides additional details about each Main Tier and Maintenance Resource facility currently participating in the RPS.

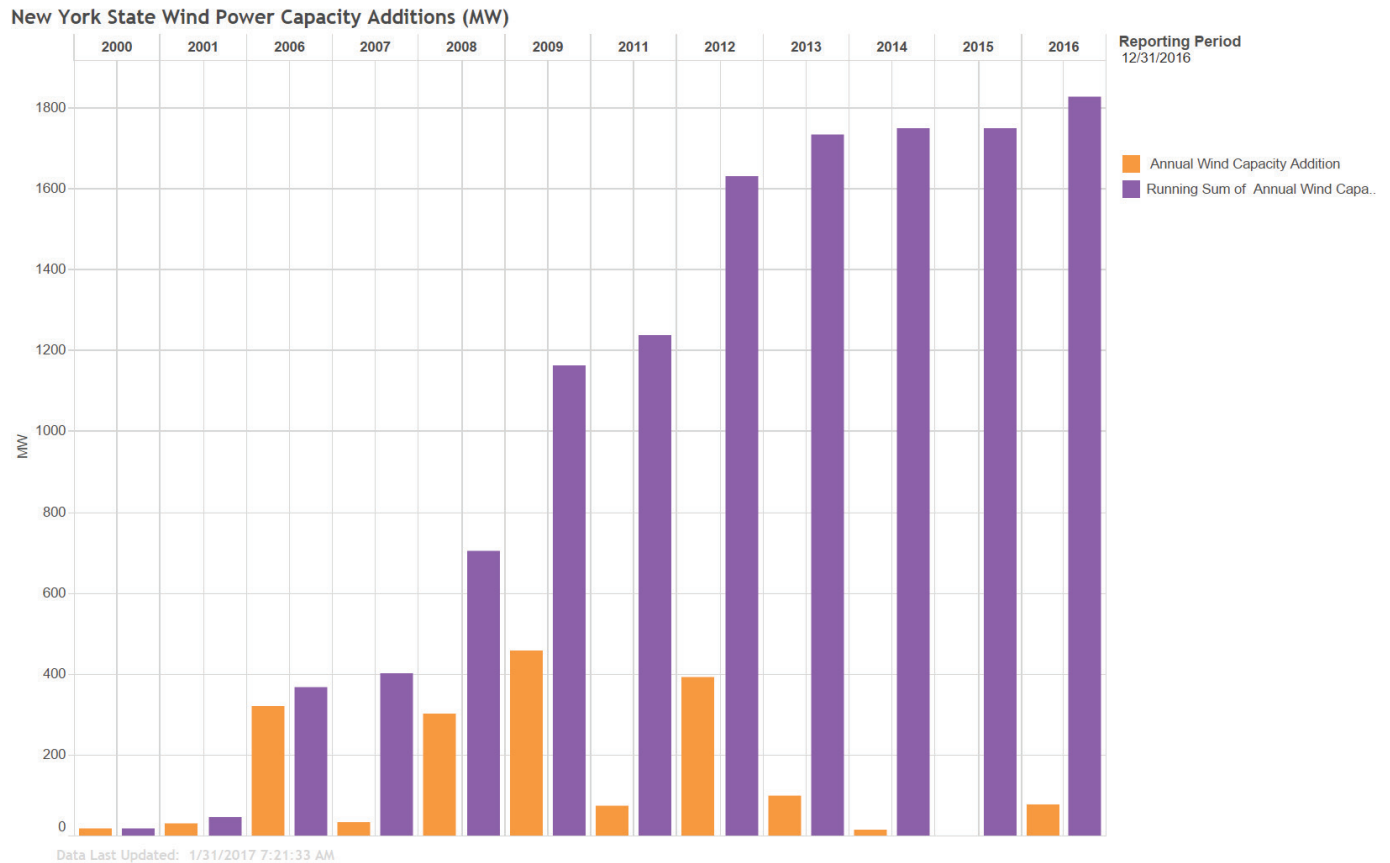
Figure 1. Main Tier and Maintenance Resources by County



2.1.1 New York Wind Power Capacity Additions

The cumulative installed wind capacity in New York State through the end of 2016 is approximately 1,827 MW, more than 38 times the capacity that existed in the State prior to having an RPS program. Figure 3 shows the wind power capacity additions to the State by year.

Figure 2. New York State Wind Power Capacity Additions



2.2 Customer-Sited Tier MW and MWh

Renewable developments, measured in terms of capacity and energy¹¹ associated with contract commitments and pending contracts as of December 31, 2016 are presented in Table 4.

¹¹ The CST program does not determine the delivery or use of energy (MWh) from projects that receive funding. Generation from CST-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, depending on ownership of the environmental attributes and/or RECs from those projects. NYSERDA makes no claim to the environmental attributes of that energy.

Table 4. RPS-Funded Customer-Sited Tier Actual and Expected Installed Capacity (MW) and Energy Production (MWh) as of December 31, 2016

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		3.85	5.59	3.52	12.95
Anaerobic Digester Biogas	Target MW	31.9	0.0	0.0	0.0	31.9
	MW		9.85	6.63	1.85	18.33
On-Site Wind	Target MW	25.5	0.0	0.0	0.0	25.5
	MW		4.70	2.32	0.82	7.84
Solar Thermal	Target MW	35.1	0.0	0.0	0.0	35.1
	MW		15.31	5.52	8.73	29.56
Grand Total	Target MW	101.1	0.0	0.0	0.0	101.1
	MW		33.71	20.05	14.91	68.68

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		25,836	45,046	26,607	97,489
Anaerobic Digester Biogas	Target MWh	225,490	0	0	0	225,490
	Total MWh Progress		72,766	43,566	12,155	128,487
On-Site Wind	Target MWh	61,910	0	0	0	61,910
	Total MWh Progress		8,261	7,238	1,320	16,819
Solar Thermal	Target MWh	39,954	0	0	0	39,954
	Total MWh Progress		17,974	6,475	10,244	34,693
Grand Total	Target MWh	393,429	0	0	0	393,429
	Total MWh Progress		124,837	102,324	50,325	277,487

2.3 Program Funding and Budgets

NYSERDA's activities and responsibilities under the RPS were initially funded through quarterly payments made to NYSERDA by Central Hudson, Con Edison, New York State Electric and Gas, National Grid, Orange and Rockland, and Rochester Gas and Electric. The January 21, 2016 PSC Order authorizing the CEF transitioned the authorized funding to a "Bill-As-You-Go" model where collections are retained in utility accounts and transferred to NYSERDA at a specified frequency based on actual need for working capital. These utilities recoup the payments made to NYSERDA through a System Benefit/RPS Charge on the delivery portion of retail customer utility bills.

A series of Commission Orders and other activities have resulted in budgetary changes to the RPS program. Appendix A summarizes these intervening orders and activities. Orders associated with a comprehensive program review conducted in 2009 and a series of new orders issued in 2013 are described in this section. The most significant of these are summarized below.

In its April 2, 2010 Order, the Commission specified a total program budget through 2024 of approximately \$2.998 billion.³² This funding was intended for use by NYSERDA for long-term contracts for Main Tier and Maintenance resources, CST incentives, NYSERDA administration and program evaluation, CST system quality assurance/quality control (QA/QC), and State cost recovery fees.

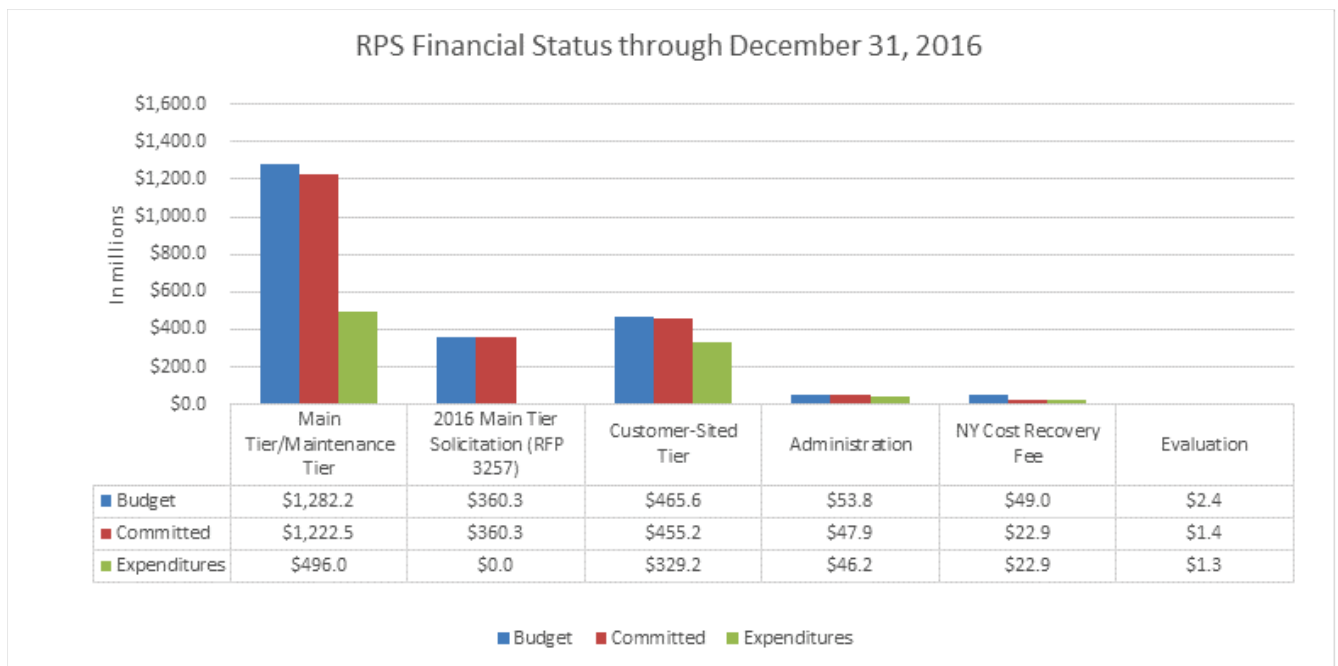
In its April 24, 2012 Order, the Commission authorized NYSERDA to expand the solar electric programs under the CST for the NY-Sun Initiative in an amount up to \$216 million for calendar year 2014 and 2015, in addition to the previous \$385.6 million of CST Solar funds previously authorized. A separate NY-Sun Initiative report includes the December 31, 2016 financial status of all Solar activities since January 1, 2014, including the use of approved RPS-CST funds and the funds authorized for calendar years 2014 and 2015; therefore, that activity was removed from the financial status numbers shown below.

As noted in the summary, a separate NY-Sun annual report describes NY-Sun's funding and goal to generate 3-GW of solar electric power and the NY-Sun statewide solar electric program. NY-Sun reporting captures all photovoltaic contract commitments made subsequent to December 31, 2013; this includes the use of annual RPS budget funds from periods earlier than 2014, which were uncommitted in the Competitive photovoltaic program. As of December 31, 2016, this use of uncommitted RPS funds totaled approximately \$57.4 million and that figure is deducted from the Budget in this report

An April 2014 Order authorized NYSERDA to reallocate \$960.6 million of uncommitted Main Tier Funds to support the CST solar electric program from 2016 through 2023 (“NY-Sun”). The January 21, 2016 CEF Order further clarified the funding for NY-Sun and other programs. In April 2016, NYSERDA filed a report of uncommitted funds in compliance with the CEF Order detailing the sources of uncommitted funds for the NY-Sun and other programs. \$835.1 million of uncommitted RPS funds were identified as being available and have been removed from the budget in this report.

The major budget categories and amounts of funding by each category, excluding NY-Sun funding, based on Commission decisions rendered through December 31, 2016 are presented in Figure 3.¹²

Figure 3. RPS Program Budget, Program Commitments, and Program Expenses through December 31, 2016



¹² Proceeds on Motion of the Commission Regarding a Retail Renewable Portfolio Standard, “Ordering Authorizing Customer-Sited Tier Program through 2015 and Resolving Geographic Balance and Other Issues Pertaining the RPS Program;” issued and effective April 2, 2010.

2.4 Funding Commitments and Expenses

As of December 31, 2016, \$2.11 billion, or roughly 95.3% of the total approved RPS funding, has been expended, committed, or is pending for achieving NYSERDA's targets (inclusive of administration and State fees). This amount includes \$1,582.8 million for program resource acquisition costs in the Main Tier, inclusive of the 2016 Main Tier Solicitation and Maintenance resource obligations, and \$455.2 million for the CST. Appendix D presents the program's detailed budgets, expenditures, and funding commitments from contracts and/or pending contracts and applications through December 31, 2016. NYSERDA's actual expenses through December 31, 2016 totaled \$895.8 million, or approximately 40.4% of the total RPS budget. The large majority of these expenses, \$825.3 million resulted from payments for Main Tier and Maintenance resource contracts as well as CST incentives.

Appendix A: Orders and Activities

Orders and Activities	Date	Description
Commission Order Instituting Proceeding with Renewable Portfolio Standard	February 2003	This order was instituted under the guidance of the Office of Hearings and Alternative Dispute Resolution to facilitate the formulation of a policy statement on retail Renewable Portfolio Standards in New York State.
Commission Order Concerning Draft Generic Environmental Impact Statement for RPS	April 2004	The Commission provided a Notice of Completion of Draft Generic Environmental Impact Statement.
Commission Order Adopting and Approving Issuance of Final Generic Environmental Impact Statement for RPS	August 2004	The Commission adopted and approved issuance of the Final Generic Environmental Impact Statement for the proposed action of adoption and implementation of a Renewable Portfolio Standard policy.
Commission Order Regarding Renewable Portfolio Standard	September 2004	The Commission approved the Renewable Portfolio Standard policy. The order identified the Commission's renewable energy policy and provided definitions and targets for carrying out the policy. The Commission also directed that an Implementation Plan be developed and approved to guide the program through 2013.
Commission Order Regarding Petitions for Clarification and Reconsideration	December 2004	The Commission granted a petition for clarification filed by NYSERDA. The petitions for clarification and/or reconsideration filed by the Small Hydro Group and Ridgewood Renewable Power, LLC were denied.
Commission Order Authorizing Fast Track Certification and Procurement	December 2004	The Commission authorized NYSERDA to develop facility self-certification procedures and forms for use in the initial Renewable Portfolio Standard procurement solicitation. NYSERDA was authorized to use a Request for Proposal procurement method containing security guarantees, milestones, contract duration, and a constant fixed price per MWh factor in the initial RPS procurement solicitation according to a schedule and in a manner designed to allow it to award and execute contracts at a reasonable cost no later than the end of January 2005. This action was taken on an emergency basis pursuant to Section 202(6) of the State Administrative Procedure Act.
Retail Renewable Portfolio Standard, Confirming December 2004 Order	December 2004 January 2005	The Commission extended and confirmed the deadline for completion of revisions to billing systems and bill formats.
Commission Order Adopting Emergency Rule as Permanent Rule for RPS	March 2005	The Commission approved the Main Tier Fast-Track Certification and Procurement on an emergency basis, pursuant to SAPA §202(6), finding that such approval of facility certification and procurement solicitation methods would allow the RPS program to take advantage of the extension of the Production Tax Credit.
Commission Order Approving Implementation Plan, Adopting Clarifications, and Modifying Environmental Disclosure Program	April 2005	The Commission approved the Implementation Plan, which identified the procedures for determining eligibility, establishing future procurements, and monitoring the program. The order also identified other actions needed for the program in the future.

Orders and Activities	Date	Description
Commission Order Approving Request for RPS Program Funding as a Maintenance Resource	August 2005	This order approved Lyonsdale Biomass, LLC for RPS program funding as a maintenance resource.
Renewable Portfolio Standard and Lyonsdale Biomass, LLC, Order Granting Petition for Clarification	October 2005	The Commission found the April 2005 order provided a maintenance resource with the opportunity to bid a plant's entire output into Main Tier procurements; the August 2005 Order treated Lyonsdale in a consistent fashion.
Commission Order Approving Request for Inclusion of Methane Digester Systems as Eligible Technologies in the Customer-Sited Tier	November 2005	The Commission added methane digestion systems as an eligible Customer- Sited Tier resource.
Commission Order Authorizing Additional Main Tier Solicitations and Directing Program	January 2006	The Commission approved the continuation of several contractual provisions: the pricing approach would pay fixed payments per MWh, the contract would require winning proposers to post security in the form of cash or a letter of credit, and NYSERDA would offer contract durations of a maximum term of 10 years and a minimum term of three years. The Commission requested that NYSERDA and Staff consider the development and implementation of an attribute accounting system, including its implications for the administration of the current environmental disclosure program, and to report on their findings.
Commission Order Approving Request for RPS Program Funding as a Maintenance Resource	February 2006	The Commission authorized NYSERDA to enter into a maintenance resource contract with Boralex for the Chateauguay biomass facility.
NYSERDA issues Biomass Power Guide	May 2006	The Biomass Power Guide is revised to reflect Commission authorization to allow the use of non-source separated biomass fuels and incorporate new safeguards for fuel quality.
Commission Order on Customer-Sited Tier Implementation	June 2006	The Commission authorized the creation of a plan for solicitation of Customer-Sited Tier resources.
Commission Order on Delivery Requirements for Imports from Intermittent Generators	June 2006	The Commission replaced the Main Tier RPS program's current monthly matching delivery requirement with an hourly matching delivery requirement.
Commission Order Recognizing Environmental Attributes and Allowing Participation of Projects with Physical Bilateral Contracts	June 2006	The Commission modified the RPS program to recognize the unbundling of attributes from energy, to allow projects with physical bilateral contracts to participate in the program, and to eliminate the requirement that participating generators must sell into the wholesale markets administered by the NYISO Operator. The Commission authorized DPS Staff to work with NYSERDA to develop a certificate-based tracking system, as well as to develop recommendations for modifying the environmental disclosure program in advance of the 2009 review.

Orders and Activities	Date	Description
Commission Order Authorizing Solicitation Methods and Consideration of Bid Evaluation Criteria and Denying Request for Clarification	October 2006	The Commission provided authorization and guidance to NYSERDA and Staff for the issuance of solicitations for Main Tier RPS attributes, and allowed use of evaluation criteria to ensure that economic benefits to New York are given appropriate value. The Commission authorized two proposal-scoring categories: the "bid price" category was to be weighted at 70%, while the "economic benefits to New York" category would receive a 30% weight.
NYSERDA Files Renewable Portfolio Standard Customer-Sited Tier Program Operating Plan (2007)	February 2007	NYSERDA, in consultation with the DPS, issued the 2007 CST Operating Plan, which set forth general program specifications, capacity and generation targets, and associated budgets.
Commission Order Concerning Modification of Funding for the Customer-Sited Tier	October 2008	The Commission authorized the reallocation of increased funding for specific programs of the CST in response to changing market needs for specific eligible renewable energy technologies.
Commission Order Concerning Further Modification of Funding for the Customer-Sited Tier	June 2009	The Commission adopted changes to the RPS by reallocating and increasing funding for the solar electric program of the CST.
Commission Order Authorizing an Additional Main Tier Solicitation and Setting Solicitation Guidelines	August 2009	The Commission authorized an additional Main Tier solicitation to enable generation facility developers to leverage funds temporarily available in federal grants under the American Recovery and Reinvestment Act of 2009. The order also specified that the 10-year contracts with fuel-based renewable energy generators should have an escape clause actionable every two and a half years so that the generator may drop out of the program if it is unable to secure a continuous fuel supply at a price that supports its contract with NYSERDA.
Commission 2009 Mid-Course Report	September 2009	This report provided a review of the current status of the program, including a review of the NYSERDA Evaluation Report, and presented the Staff's proposals for the RPS Program going forward.
Commission Order Establishing New RPS Goal and Resolving Main Tier Issues	January 2010	This order adopted a goal of 30% renewable energy by 2015 and set MWh program targets. It also authorized an additional Main Tier solicitation, consistent with the results of a previous solicitation and the megawatt-hour trajectory needed to meet the revised goal. The order also specified 2013 Program Review Requirements.
Commission Order Addressing the Scope and Cost of Administration of the RPS program, and the Collection of Costs from Utility Customers	April 2010	The order modified collections for 2010–2013 to meet the expectations of the revised RPS program following the program review. The Commission authorized a schedule of collections estimated to be sufficient to support current Main Tier contract and maintenance contract costs through 2024, future Main Tier contract costs, current and future Customer-Sited Tier costs. This includes the Geographic Balance component, costs of administration and program evaluation by NYSERDA for the Main Tier and Customer-Sited Tier, and the payment by NYSERDA of the New York State Cost Recovery Fee.

Orders and Activities	Date	Description
Commission Order Clarifying NYSERDA Main Tier RPS Target and Resolving Main Tier Eligibility Issues	April 2010	This order addressed a number of issues regarding the Main Tier arising out of the 2009 review. It dictated which technologies were eligible, reserved the right to revise the vintage date, clarified that projects can only be under contract for a total of 10 years, and denied some suggestions that arose as part of the program review, such as a proposal to include waste-to-energy.
NYSERDA Files Renewable Portfolio Standard Customer- Sited Tier Program Operating Plan(2010)	June 2010	NYSERDA, in consultation with the DPS, issued the 2010 CST Operating Plan, which set forth general program specifications, capacity and generation targets, and associated budgets.
Commission Order Regarding Acceptance of Permanent Tariff Levels for RPS Collections	October 2010	In response to the April 2010 order authorizing the CST through 2015 and resolving other RPS issues, the Commission directed the Utilities to file tariff amendments and/or statements incorporating the revisions and increasing collections of RPS costs described in the April 2010 Order, to become effective on a temporary basis on July 1, 2010. This order allows the tariff amendments to become effective on a permanent basis.
Commission Order Allowing Main Tier "Behind The Meter" Contracts and Wholesale Delivery to Utility/Municipal Utility/Public Authority Entities, Applicable to Future Solicitations Only	November 2010	The Commission modified the Main Tier eligibility rules to allow certain "behind-the-meter" bilateral energy contracts or installations to qualify for RPS incentives, and to allow the energy in previously allowed bilateral contracts to be delivered through a wholesale meter under the control of a utility, public authority or municipal electric company such that it can be measured, and such that consumption within New York State can be tracked and verified by one of those entities or by the NYISO.
Commission Order Authorizing Additional Main Tier Solicitation and Setting Future Guidelines for NYSERDA to conduct Solicitations at least annually	December 2010	The Commission authorized an additional Main Tier solicitation and provided guidance in issuing future Main Tier solicitations including the authorization that NYSERDA could conduct future solicitations, without Commission approval, for RPS Main Tier resources after consultation with Staff and approval by the OEEE Director prior to each solicitation. Future contract awards were directed to be for a 10-year term. The contracts with fuel-based renewable energy generators were directed to have an escape clause actionable every two and a half years so that the generator is able to drop out of the program if unable to secure a continuous fuel supply at a price that supports its contract with NYSERDA.
NYSERDA issues Revised Biomass Power Guide	May 2011	The Biomass Power Guide is revised to reflect Commission authorization to allow the use of non-source separated biomass fuels and incorporate new safeguards for fuel quality.
Commission Order Declining to Make Elevator Regenerative Drives an Eligible Technology in the Customer-Sited Tier	August 2011	The Commission declined to consider regenerative elevator drive technology as an eligible technology in the CST.
Commission Order Authorizing Reallocation of Unencumbered Customer-Sited Tier Program Funds Through 2010 and Resolving Other Issues	September 2011	The Commission authorized NYSERDA to (a) reallocate unencumbered 2010 CST program; (b) allow the monthly cap on incentive payments in the Solar Electric category to exceed \$2 million; (c) modify the equipment size cap for the on-site wind category; and (d) use accumulated unencumbered interest earnings and unencumbered administration funds to pay any New York State Cost Recovery Fee amount that exceeds the amount previously budgeted for such fee.

Orders and Activities	Date	Description
Commission Order Authorizing Reallocation of Unencumbered 2011 Customer-Sited Tier Program Funds and Resolving Other Issues	April 2012	The Commission authorized NYSERDA to reallocate unencumbered Renewable Portfolio Standard Customer- Sited Tier 2011 program funds to enhance program funding in 2012 for the Solar Electric and Small Wind program categories; and furthermore, implement revisions to the manner in which caps on funding and equipment size were implemented for Solar Electric incentives.
Commission Order Approving Request for Modification of Funding as a Maintenance Resource	April 2012	The Commission authorized NYSERDA to modify the Maintenance Resource Contract Agreement between NYSERDA and ReEnergy (a s successor to Boralex New York LP) to reflect a decision to offer an incremental RPS production incentive of \$11.00 per MWh produced at its Chateaugay facility and begin making payments subject to the modifications for the electricity produced on or after April 1, 2012.
Commission Order Authorizing the Expansion of the Solar Photovoltaic and Geographic Balance Program From 2012 Through 2015 and the Reallocation of Main-Tier Unencumbered Funds	April 2012	The Commission authorized a four-year expansion of the Solar Photovoltaic and Geographic Balance Programs from 2012 through 2015. The Commission established that the sources of additional funding for this authorized expansion would be determined within the context of the 2013 overall RPS program review. NYSERDA also was instructed to develop a revised Customer-Sited Tier Operating Plan, which would define the budgets and programs to be implemented through 2015.
NYSERDA Files Renewable Portfolio Standard Customer-Sited Tier Program Operating Plan (2012-2015)	June 2012	NYSERDA, in consultation with the DPS, issued the 2012-2015 Customer-Site Tier Operating Plan, which set forth general program specifications, capacity and generation targets, and associated budgets.
Commission Order Denying Request for Restructuring of a Contract	August 2012	The Commission denied a request to restructure the price terms of Niagara Generation, LLC's April 17, 2007 Renewable Portfolio Standard Main Tier contract.
Commission Order Denying Request to Make Glued Wood Eligible for Burning as an up to 10% Portion of Biomass Fuel	August 2012	The Commission denied the petition of Niagara Generation, LLC for authorization to receive incentive payments for production derived from the burning of glued woods.
Commission Order Authorizing the Increase of Maximum Project Incentive for the Anaerobic Digester Gas-to-Electricity Program	January 2013	The Commission authorized NYSERDA to increase the maximum incentive available under the Anaerobic Digester Gas-to-Electricity Program in the Customer-Sited Tier from \$1 million up to \$2 million per installation.
Commission Order Authorizing an Increase in the Maximum Project Incentive for the On-Site Wind Program in the Customer-Sited Tier	February 2013	The Commission authorized NYSERDA to modify the on-site wind program in the Customer-Sited Tier to increase in the funding cap applicable to the on-site wind program and instructed NYSERDA to work with DPS Staff to implement a new megawatt block structure for the existing program.
Commission Order Authorizing Reallocation of Unencumbered 2012 Customer-Sited Tier Program Funds	May 2013	The Commission authorized NYSERDA to reallocate unencumbered RPS CST 2012 Program funds to 2013 budgets for the solar electric, anaerobic digester gas to electricity, fuel cell, and on-site wind programs.
Commission Order Modifying Renewable Portfolio Standard Program Eligibility Requirements	May 2013	The Commission authorized NYSERDA to limit its solicitation and procurement of RPS attributes from Main Tier renewable energy projects to those located within the State, including offshore generating facilities directly interconnected to New York State's electrical grid.

Orders and Activities	Date	Description
Commission Order Authorizing Transfer of Solar Photovoltaic Funding in the Customer- Sited Tier among New York Independent System Operation Load Zone Groups	June 2013	The Commission authorized NYSERDA to modify the CST Competitive Solar program to help meet the goals of the NY-Sun initiative.
Commission Order Approving Request for Funding as a Maintenance Resource	June 2013	The Commission authorized NYSERDA to enter into a 10-year maintenance resource contract with Azure Mountain Power Company at an incentive rate of \$20.00/MWh delivered, for a term of 10 years.
Commission Order Authorizing Modifications of the Solar Photovoltaic Program in the Customer-Sited Tier	July 2013	The Commission authorized NYSERDA to make additional modifications to the CST solar electric programs to help meet the goals of the NY-Sun initiative.
Renewable Portfolio Standard Main Tier 2013 Program Review, Final Report	September 2013	In support of the Main Tier 2013 evaluation, NYSERDA filed reports on September 5, 2013, which included a summary and three separate volumes. The reports included an evaluation of the benefits and costs associated with the portfolio of currently contracted Main Tier resources as of December 31, 2012, and presented an assessment of the prospects for meeting Main Tier targets using available uncommitted funds.
Customer-Sited Tier Program Market Evaluation, Program Expectations and Funding Considerations, NYSERDA Renewable Portfolio Standard Customer-Sited Tier Impact Evaluation Report	September 2013	For the CST 2013 evaluation, NYSERDA filed on September 6, 2013 a market evaluation, program expectations and funding considerations report as well as a report that evaluated impact.
Commission Order Authorizing the Redesign of the Solar Electric Programs and the Reallocation of Main Tier Unencumbered Funds	December 2013	The Commission authorized NYSERDA to reallocate \$108 million of unencumbered Main Tier funds to support the CST solar programs through 2015. The Commission also expressed support for NYSERDA's proposal to redesign and transition the solar programs to a megawatt block structure with declining incentives with the goal of reducing and ultimately eliminating RPS incentives for solar electric systems. The Commission encouraged NYSERDA to work with the Long Island Power Authority and the New York Power Authority to identify the potential merits of a statewide approach to the solar programs and define how those benefits might be captured in the design and administration of such a revised program.
Order Establishing New York Green Bank and Providing Initial Capitalization (Case 13-M-0412)	December 2013	The Commission granted NYSERDA's proposal to establish and fund the operations of a new clean energy financing entity called NY Green Bank. Through its petition, NYSERDA requested that the Commission reallocate \$165.6 million in uncommitted NYSERDA Energy Efficiency Portfolio Standard (EEPS) I and SBC III funds, uncommitted utility EEPS funds, and \$50 million in NYSERDA Main Tier RPS funds for this purpose.

Orders and Activities	Date	Description
Commission Order Granting in Part and Denying in Part a Petition for Rehearing	December 2013	The Commission granted Hydro Quebec's petition for rehearing of the Commission order "Modifying Renewable Portfolio Standard Program Eligibility Requirements", in part, for the limited purpose of considering additional information and arguments presented regarding the role of the RPS Main Tier in the market for energy generation attributes. The Commission otherwise denied Hydro Quebec's petition for rehearing and affirmed the determination of its May 2013 Order.
Commission Order Authorizing Funding and Implementation of the Solar Electric MW Block Programs	April 2014	The Commission authorized NYSERDA to reallocate \$960.6 million of unencumbered Main Tier funds to support the Customer-Sited Tier solar electric programs through 2023 and approved the design criteria for the MW Block approach to administer the solar electric programs. The Commission required NYSERDA, in consultation with DPS, to develop a Customer-Sited Tier Operating Plan as a compliance filing, which sets forth general program specifications, The Commission authorized NYSERDA to expend up to \$13 million of \$864 million of program funds to support participation by low- to moderate-income (LMI) customers in the solar electric programs, capacity and generation targets, and associated budgets for the MW Block program through 2023.
Commission Order on Proceeding with Motion to develop a New York State Clean Energy Fund and Reforming the Energy Vision.	May 2014	The Commission authorized NYSERDA to develop and submit to the Commission considerations proposal for a comprehensive Clean Energy Fund (CEF).
Commission Order Authorizing the Reallocation of Unencumbered 2013 Customer-Sited Tier Program Funds and the creation of a General Funding Pool	July 2014	The Commission authorized NYSERDA to reallocate unencumbered in Renewable Portfolio Standard CST 2013 program funds to 2014 budgets as follows: \$11,600,000 specifically to the Anaerobic Digester Gas-to-Electricity Program (ADG Program) and \$9,225,594 to be placed in a newly created Customer-Sited Tier General Funding Pool.
Commission Order Authorizing Modifications to the Main Tier Solicitation Contract Term	July 2014	The Commission authorized NYSERDA to increase the maximum length of Renewable Portfolio Standard Main Tier contracts to a term not to exceed 20 years with the flexibility to set maximum contract terms of less than 20 years for select types of technologies and facilities. NYSERDA was directed to issue one Main Tier solicitation in 2014 and at least one in 2015, with the ability to issue additional solicitations if it determines that market conditions are appropriate.
Commission Order Authorizing Funding and Implementation of the Solar Electric MW Block Program	August 2014	Order Authorizing Funding and Implementation of the Solar Electric MW Block Programs (issued April 24, 2014). In addition, the Commission offered clarification to the April 2014 Order as requested by PosiGen pertaining to the allocation of 1.5% of program funds not to exceed \$13 million, to increase LMI customer participation in and to leverage RPS funds already collected to help provide greater access to solar for the LMI market. However, the Order does not authorize NYSERDA to allocate additional money beyond the \$13 million. Furthermore, NYSERDA has the flexibility to submit a supplemental petition requesting additional funding in the future, proceeding to be continued.

Orders and Activities	Date	Description
NYSERDA Files RPS CST Operating Plan Addendum (2014-2023) for the Megawatt Block Program	August 2014	NYSERDA, in consultation with DPS, issued an Addendum to the CST Operating Plan for 2014 through 2023, which sets forth general program specifications, capacity and generation targets, and associated budgets for the Megawatt Block Program, and represents a transition of the Solar Electric Program currently administered by NYSERDA under the Renewable Portfolio Standard CST.
Order Approving the Request for Funding as a Maintenance Resource	August 2014	The Commission authorized NYSERDA to enter into a maintenance resource contract with Battenkill Hydro Associates at an incentive rate of \$2.80/MWh delivered, for a term of three years.
NYSERDA Files Clean Energy Fund Proposal	September 2014	The CEF was established under Case 14-M-0094, Proceeding on Motion of the Commission to Consider a CEF. Pursuant to the Order Commencing Proceeding issued on May 8, 2014 by the Commission, NYSERDA filed the CEF Proposal seeking a 10-year program from 2016 through 2025 that will work in coordination with other State efforts to advance cleaner, more resilient, and more affordable energy infrastructure.
Resolution Accepting Draft Generic Environmental Impact Statement as Complete	October 2014	The Commission provided a Notice of Completion of Draft Generic Environmental Impact Statement, which analyzed potential environmental impacts associated with Reforming the Energy Vision and establishing a CEF. After reviewing and considering the draft generic EIS, the Commission concluded that it was acceptable and complete and directed the Secretary to issue it for public comment.
Order Approving the Request for Funding as a Maintenance Resource	November 2014	The Commission authorized NYSERDA to enter into a maintenance resource contract with ReEnergy Lyonsdale at an incentive rate of \$33.49/MWh delivered, for a term of three years.
Order Denying Petition Regarding Voluntary Opt-in Mechanism	January 2015	The Commission denied a petition requesting the Commission to create a Voluntary "SBC/RPS Opt-in" mechanism for all New York Power Authority (NYPA) municipal Customers from the SBC and RPS surcharge, as they are not eligible to participate in programs funded with this surcharge. The redesign of the program is inequitable, by forcing utility customers who cannot opt-out of the surcharges to subsidize the subset of NYPA customers that believe they would benefit from opting into participation in
Order Denying Petition to Restructure an Existing RPS Contract	May 2015	The Commission denied a petition requesting the restructure of an existing RPS Contract with Sterling Energy Group, Inc., and its subsidiary, Niagara Generation LLC, to establish a new program to provide for supplemental benefits for biomass facilities, similar to the Main Tier Program.
Order Approving the Request for Funding ReEnergy Chateauguay Maintenance Resource Contract	July 2015	The Commission authorized NYSERDA to enter into a four year and seven-month Maintenance Resource Contract Agreement for an incentive payment of \$33.49/MWh up to 128,000 MWh of energy generated annually at its 21 MW biomass-fired facility, dependent on the following conditions: Upon the facility's return to commercial operation, but no later than July 1, 2016, and upon demonstration by ReEnergy that it has executed a long-term power purchase agreement (PPA) or some other long-term arrangement with an independent third party, which will keep the plant in operation

Orders and Activities	Date	Description
Order Granting Extending Renewable Portfolio Standards (RPS) Customer-Sited Tier (CST)	December 2015	The Commission authorized NYSEDA to continue to implement the RPS CST programs by granting a two-month extension, to February 29, 2016, while the commission completes its review of the CEF proposal.
Order Authorizing the Clean Energy Fund Framework	January 2016	The CEF is approved as a 10-year and \$5.322 billion commitment to clean energy programs in New York State to be managed by NYSEDA under the Commission's supervision. The Commission authorized \$150 million proposed within the CEF proposal to support the 2016 Main Tier solicitation.

Appendix B: Main Tier Solicitation Results

B.1 First Main Tier Solicitation

NYSERDA's first competitive Main Tier solicitation (RFP 916) awards were announced in January 2005, with an expected facility online date of January 1, 2006. The solicitation was issued as a sealed bid, pay-as-bid Request for Proposal (RFP). In this solicitation, bidders were awarded contracts based on the price bid for RPS Attributes alone. No other factors were taken into account to determine selection and the ultimate award of a contract. The first Main Tier solicitation resulted in contracts for the development of 254 MW of renewable capacity at five facilities (two wind and three hydroelectric upgrades), from which NYSERDA would provide production incentives for 865,582 MWh per year. At the timing of the award, the total funding commitment associated with this solicitation was approximately \$173.6 million, and the weighted average production incentive awarded was \$22.90 per RPS Attribute (MWh).

B.2 Second Main Tier Solicitation

The second competitive Main Tier solicitation (RFP 1037) awards were announced in February 2007, with an expected facility online date of January 1, 2008. Unlike the first Main Tier solicitation, awards were based on two evaluation components: the bid price, weighted at 70%; and the ability of the bidder to demonstrate economic benefits to New York State created by the development, construction, and operation of the bid facility, weighted at 30%. The solicitation was designed as a two-step process, consisting of an application step that prequalified bidders and a competitive bid proposal submission step. Only those bidders found prequalified through the Step 1 application process were permitted to submit bid proposals in Step 2.

The second solicitation resulted in NYSERDA awarding contracts to provide production incentives to 20 new or upgraded facilities, all located in New York State. One facility, Noble Chateaugay Wind Park, was split into two contracts at the request of the contractor for reasons related to physical substation configurations and interconnection, creating two wind parks: Noble Belmont Wind Park and Noble Chateaugay Wind Park. The Noble Belmont Wind Park was only partially constructed and its contract was terminated in 2011.

Under the awarded contracts, 671 MW of new renewable capacity were selected, from which NYSERDA could provide production incentives for approximately 1.8 million MWh per year. At the time of the award, the total funding commitment associated with this solicitation was approximately \$266.3 million, and the weighted average price awarded was \$15.52 per RPS Attribute (MWh).

B.3 Third Main Tier Solicitation

The third competitive Main Tier solicitation (RFP 1168) was completed in early 2008, with facilities expected to be operational by January 1, 2009. Awards were announced in January 2008, and the solicitation followed the same two-step bid evaluation process used for the previous solicitation.

The third solicitation resulted in the award of contracts for 11 new or upgraded facilities, representing approximately 824,550 MWh per year. At the time of award, the total funding commitment associated with this solicitation was approximately \$118.6 million, and the weighted average price awarded was \$14.75 per RPS Attribute (MWh).

B.4 Fourth Main Tier Solicitation

The fourth competitive Main Tier Solicitation (RFP 1681) awards were announced in December 2009, with the facilities expected to be operational by July 1, 2011 for non-fuel based facilities, and July 1, 2012 for fuel-based facilities. This solicitation was issued in response to an August 2009 PSC Order.

The fourth solicitation resulted in the award of contracts to five new or upgraded facilities. Under those contracts, contractors were obligated to build 142 MW of renewable capacity, from which NYSERDA could provide production incentives for 578,656 MWh per year. At the time of award, the total funding commitment associated with this solicitation was approximately \$96 million, and the weighted average price awarded was \$19.76 per RPS Attribute (MWh).

B.5 Fifth Main Tier Solicitation

The fifth competitive Main Tier Solicitation (RFP 1851) awards were made in March 2010, with facilities expected to be operational by December 31, 2011. This solicitation was issued in response to a January 2010 PSC Order.

The fifth solicitation resulted in the award of contracts to provide production incentives to eight new or upgraded facilities. Under these contracts, contractors were obligated to build 318 MW of renewable capacity, from which NYSERDA could provide production incentives for approximately 1.1 million MWh per year. The total funding commitment associated with this solicitation was approximately \$204 million, and the weighted average price awarded was \$21.17 per RPS Attribute (MWh).

Following the announcement of the awards for RFP 1851, one bidder's award was rescinded and contract awards were made to the next highest ranked bidders that could be funded with the approved solicitation budget. These awards included two hydroelectric facilities and one wind farm. In addition, an agreement awarded as a result of this solicitation for the Marble River Wind Farm was combined with an agreement awarded under a subsequent solicitation to reflect an increase in the size of the facility. The combined capacity under contract for this facility is reflected in Appendix B under the sixth Main Tier Solicitation, but the committed funding remains separated in the respective solicitation balances shown in Appendix D.

B.6 Sixth Main Tier Solicitation

The sixth competitive Main Tier Solicitation (RFP 2226) awards were made in April 2011, with facilities expected to be operational by July 31, 2012. This solicitation was issued by NYSERDA per the December 2010 Order by which PSC authorized NYSERDA to conduct Main Tier competitive solicitations at least annually, and with DPS concurrence, as frequently as deemed necessary and advisable in pursuit of program targets without further or individual authorizations by PSC.

The sixth solicitation resulted in the award of contracts to provide production incentives to 17 new or upgraded facilities. Under those contracts, contractors are obligated to build 315 MW of renewable capacity, from which NYSERDA could provide production incentives for more than 1.1 million MWh per year. At the time of award, the total funding commitment associated with this solicitation was approximately \$191 million, and the weighted average price awarded was \$22.01 per RPS Attribute (MWh).

B.7 Seventh Main Tier Solicitation

The seventh competitive Main Tier Solicitation (RFP 2389) awards were made in December 2011, with facilities expected to be operational by December 31, 2012. This solicitation was issued by NYSERDA per the December 2010 Order in which PSC authorized NYSERDA to conduct Main Tier competitive solicitations at least annually, and with the concurrence of the DPS, as frequently as is deemed necessary and advisable in pursuit of program targets without further or individual authorizations by PSC.

The seventh solicitation resulted in the award of contracts to provide production incentives to seven new or upgraded facilities. Under those contracts, contractors are obligated to build more than 88 MW of renewable capacity, from which NYSERDA could provide production incentives for approximately 460,000 MWh per year. At the time of award, the total funding commitment associated with this solicitation was approximately \$132 million, and the weighted average price awarded was \$28.70 per RPS Attribute (MWh).

B.8 Eighth Main Tier Solicitation

The eighth competitive Main Tier Solicitation (RFP 2554) awards were made in June 2013, with facilities expected to be operational by December 31, 2014. The solicitation was issued on December 20, 2012, and reissued on January 4, 2013. The solicitation was conducted in concurrence with a NYSERDA petition and ensuing Commission Order dated May 22, 2013 Order, wherein NYSERDA was authorized to limit Main Tier bids and Main Tier contracts to bidders proposing to meet their RPS obligations with renewable resource energy generated inside the State or through an offshore generating facility directly interconnected to the State's electrical grid.

The eighth solicitation resulted in 17 contracts representing 50 MW of new renewable energy capacity from which NYSERDA could provide production incentives for approximately 190,000 MWh per year. The total funding commitment associated with RFP 2554 was approximately \$66 million, and the weighted average price for these contracts was \$34.95 per RPS Attribute (MWh).

B.9 Ninth Main Tier Solicitation

The ninth Main Tier Solicitation (RFP 2985) awards were made in October 2014, with facilities expected to be operational by July 31, 2017. The solicitation was issued on July 24, 2014. The solicitation was conducted in concurrence with a July 2, 2014 Commission Order, which directed NYSERDA to conduct an immediate 2014 solicitation and at least one in 2015. The Order also authorized NYSERDA to offer Contract Tenors of up to 20 years.

The ninth solicitation resulted in four contracts representing 164 MW of new renewable energy capacity. The total funding commitment associated with RFP 2985 was approximately \$206 million, and the weighted average price for these contracts was \$22.96 per RPS attribute over the 20-year awarded contract term. The contracted facilities include wind power projects at Arkwright Summit Wind Farm in Chautauqua County, and Jericho Rise Wind Farm in Franklin County; hydroelectric projects at the City of Watervliet's Delta Hydroelectric Project, Oneida County, and Village of Wappingers Falls, Hydroelectric Project in Dutchess County.

B.10 Tenth Main Tier Solicitation

The 10th Main Tier Solicitation (RFP 3084) awards were made in September 2015, with facilities expected to operational by July 31, 2018. The solicitation was issued on April 7, 2015. The solicitation was conducted in concurrence with a July 2, 2014 Commission Order, which directed NYSERDA to conduct an immediate 2014 solicitation and at least one in 2015. The Order also authorized NYSERDA to offer Contract Tenors of up to 20 years.

The 10th solicitation resulted in five contracts representing 116 MW of new renewable energy capacity. The total funding commitment associated with RFP 3084 was approximately \$175 million, and the weighted average price for these contracts was \$24.57 per RPS attribute over the 20-year awarded contract term. The contracted facilities include a wind power project at Ball Hill Wind Farm in Chautauqua County; an anaerobic digester at Orbit Energy in Staten Island; a fuel cell at Morgan Stanley Headquarters in New York City; and hydroelectric projects at Lyons Falls Mill Hydroelectric project in Lewis County and Fulton Unit 2 in Oswego County

B.11 Eleventh Main Tier Solicitation

The 11th Main Tier Solicitation (RFP 3257) awards were made in August 2016, with facilities expected to be operational by July 31, 2019. The solicitation was issued on April 21, 2016. The solicitation was conducted in concurrence with a January 21, 2016 Commission Order, which authorized \$150 million to support the 2016 Main Tier solicitation. Authorization to exceed that amount by \$210 million was requested and approved, for a total solicitation of \$360 million.

The 11th Main Tier Solicitation resulted in 11 contracts representing 270 MW of new renewable energy capacity. The total funding commitment associated with RFP 3257 was approximately \$360 million and the weighted average price for these contracts was \$24.24 per RPS attribute. The awarded facilities include Eight Point Wind Energy Center in Steuben County; Number Three Wind Farm in Lewis County; a solar project by Hecate Energy located in Albany and Greene Counties; a fuel cell at Regeneron Pharmaceuticals in Tarrytown; and hydroelectric projects at Swinging Bridge in Sullivan County, Tannery Island in Jefferson County, North Division Street Dam in Cayuga County, Burt Dam in Niagara County, Belfort Unit 3 in Lewis County, Glen Park in Jefferson County, and Fulton Unit 1 in Oswego County.

The 2016 Main Tier solicitation will be reported and funded from proceeds through the sale of RECs under the CES program.

Appendix C: Main Tier Contracts as of December 31, 2016

Appendix C: Main Tier Contracts as of December 31, 2016

Solicitation	Facility	Resource Type	Location	County	Status	Contract Duration (Years)	New Renewable Capacity (MW)	Bid Capacity (MW)	Maximum Annual Contract Quantity (MWh)
1st Main Tier Solicitation RFP 916	Bear Creek	Wind	PA	Luzerne	N/A	4	22.00		
	Browns Falls*	Hydroelectric	NY	St. Lawrence	N/A	1	0.00		
	Higley Falls*	Hydroelectric	NY	St. Lawrence	N/A	1	0.00		
	Maple Ridge	Wind	NY	Lewis	N/A	10	321.00		
	Splier Falls	Hydroelectric	NY	Saratoga	N/A	10	0.80		
	Total							343.80	
2nd Main Tier Solicitation RFP 1037	Allens Falls	Hydroelectric	NY	St. Lawrence	Operating	10	0.30	0.30	1,675.00
	Altona	Wind	NY	Clinton	Operating	10	102.00	96.90	188,281.80
	Bliss	Wind	NY	Wyoming	Operating	10	100.50	95.50	191,720.00
	Browns Falls	Hydroelectric	NY	St. Lawrence	Operating	10	0.40	0.40	1,277.10
	Chateaugay Wind Farm	Wind	NY	Franklin	Operating	10	106.50	101.20	215,058.00
	Clinton Wind	Wind	NY	Clinton	Operating	10	100.50	95.50	180,747.00
	Cohocdon	Wind	NY	Steuben	Operating	10	87.50	8.30	23,372.00
	Colton	Hydroelectric	NY	St. Lawrence	Operating	10	0.70	0.70	4,851.00
	Dutch Hill	Wind	NY	Steuben	Operating	10	37.50	4.30	8,513.00
	Eagle	Hydroelectric	NY	Lewis	Operating	10	0.50	0.50	3,181.00
	East Norfolk	Hydroelectric	NY	St. Lawrence	Operating	10	0.90	0.90	6,207.30
	Ellenburg	Wind	NY	Clinton	Operating	10	81.00	77.00	167,381.00
	Higley Falls	Hydroelectric	NY	St. Lawrence	Operating	10	1.90	1.90	11,648.00
	Niagara Generating Facility*	Biomass	NY	Niagara	Operating	10	26.00	26.00	189,525.00
	Norfolk	Hydroelectric	NY	St. Lawrence	Operating	10	1.50	1.50	7,504.00
	Norwood	Hydroelectric	NY	St. Lawrence	Operating	10	0.50	0.50	4,628.00
	Oswego Falls	Hydroelectric	NY	Oswego	Operating	10	0.60	0.60	2,957.00
	Raymondville	Hydroelectric	NY	St. Lawrence	Operating	10	0.70	0.70	3,620.00

Appendix C: Main Tier Contracts as of December 31, 2016

Solicitation	Facility	Resource Type	Location	County	Status	Contract Duration (Years)	New Renewable Capacity (MW)	Bid Capacity (MW)	Maximum Annual Contract Quantity (MWh)
2nd Main Tier Solicitation RFP 1037	Total						649.50	512.70	1,212,146.20
3rd Main Tier Solicitation RFP 1168	AES Greenidge	Biomass	NY	Yates	N/A	3	4.00		
	Cohocton'	Wind	NY	Steuben	Operating	10	0.00	26.30	65,700.00
	Dutch Hill'	Wind	NY	Steuben	Operating	10	0.00	11.30	28,200.00
	Effley	Hydroelectric	NY	Lewis	Operating	10	0.30	0.30	1,399.00
	High Falls	Hydroelectric	QC	Canada-Quebec	Operating	10	14.70	14.00	26,410.00
	Piercefield	Hydroelectric	NY	St. Lawrence	Operating	10	0.10	0.10	385.00
	Sherman Island	Hydroelectric	NY	Saratoga	Operating	10	4.70	4.50	19,292.00
	Wethersfield	Wind	NY	Wyoming	Operating	10	126.00	119.70	314,572.00
	Total						149.80	176.20	455,958.00
4th Main Tier Solicitation RFP 1681	Hardscrabble	Wind	NY	Herkimer	Operating	10	74.00	43.70	121,508.00
	School Street	Hydroelectric	NY	Albany	Operating	10	5.20	4.90	21,885.00
	Stewarts Bridge Hydro (Upgrade)	Hydroelectric	NY	Saratoga	Operating	10	2.90	2.70	11,609.00
	Total						82.10	51.30	155,002.00
5th Main Tier Solicitation RFP 1851	Albany 1	Biogas	NY	Albany	Operating	10	0.90	0.86	6,790.00
	Hardscrabble Wind Energy Project	Wind	NY	Herkimer	Operating	10	0.00	26.64	74,141.00
	High Sheldon	Wind	NY	Wyoming	Operating	10	112.50	106.90	228,200.00
	Mechanicville	Hydroelectric	NY	Saratoga	Operating	10	4.50	4.28	19,000.00
	Steel Winds II	Wind	NY	Erie	Operating	10	15.00	14.00	37,430.00
	Stuyvesant Falls	Hydroelectric	NY	Columbia	Operating	10	6.00	5.70	11,677.00
	Taylorville Hydro	Hydroelectric	NY	Lewis	Operating	10	0.10	0.10	684.00
	Wappingers Falls	Hydroelectric	NY	Dutchess	Operating	10	0.12	0.11	474.00
	Total						139.12	158.59	378,396.00
6th Main Tier Solicitation RFP 2226	Albany 2	Biogas	NY	Albany	Operating	10	3.20	3.00	22,340.00

Appendix C: Main Tier Contracts as of December 31, 2016

Solicitation	Facility	Resource Type	Location	County	Status	Contract Duration (Years)	New Renewable Capacity (MW)	Bid Capacity (MW)	Maximum Annual Contract Quantity (MWh)
6th Main Tier Solicitation RFP 2226	Black Brook	Hydroelectric	NY	Clinton	Operating	10	0.64	0.61	1,900.00
	Chautauqua LFGE	Biogas	NY	Chautauqua	Operating	10	8.00	2.11	11,209.00
	DANC	Biogas	NY	Jefferson	Operating	10	4.80	4.00	24,882.00
	Howard	Wind	NY	Steuben	Operating	10	51.25	46.13	115,184.00
	Hyland LFGE	Biogas	NY	Allegany	Operating	10	4.80	2.20	15,396.00
	Marble River	Wind	NY	Clinton	Operating	10	215.25	204.49	581,510.00
	Modem	Biogas	NY	Niagara	N/A	10	6.40		
	Ontario	Biogas	NY	Ontario	Operating	10	6.40	3.00	17,232.00
	Orangeville	Wind	NY	Wyoming	Operating	10	92.80	88.16	279,103.00
	Seneca	Biogas	NY	Seneca	Operating	10	12.80	5.85	46,664.00
	Stewarts Bridge	Hydroelectric	NY	Saratoga	Operating	10	2.60	2.49	10,491.00
	Total							408.94	362.04
7th Main Tier Solicitation RFP 2389	Black River	Biomass	NY	Jefferson	Operating	10	43.26	41.10	324,045.00
	Clinton Co.	Biogas	NY	Clinton	Operating	10	6.40	1.28	7,934.00
	Community Refuse LFG	Biogas	PA	Cumberland	Operating	10	6.40	6.08	47,402.00
	Howard (Expansion)	Wind	NY	Steuben	Operating	10	4.10	3.90	9,849.00
	Locust Ridge	Wind	PA	Schuykill	Operating	10	26.00	24.70	54,093.00
	Mill Street Dam	Hydroelectric	NY	Cayuga	Operating	10	0.22	0.23	986.00
	Total						86.38	77.29	444,309.00
8th Main Tier Solicitation RFP 2554	401 Fieldcrest Dr. Elmsford, NY 10523	Fuel Cells	NY	Westchester	Operating	10	0.80	0.76	6,325.00
	ATT Clean Energy Project - Rego Park	Fuel Cells	NY	Queens	Operating	10	0.20	0.19	1,686.00
	Black Oak	Wind	NY	Tompkins	Under Construction	10	12.60	11.97	40,894.00
	Buffalo BioEnergy	Biogas	NY	Erie	Under Construction	10	1.30	1.24	4,750.00
	Cody Road	Wind	NY	Madison	Under Construction	10	10.00	9.50	27,463.00

Appendix C: Main Tier Contracts as of December 31, 2016

Solicitation	Facility	Resource Type	Location	County	Status	Contract Duration (Years)	New Renewable Capacity (MW)	Bid Capacity (MW)	Maximum Annual Contract Quantity (MWh)
8th Main Tier Solicitation RFP 2554	Howard ^a	Wind	NY	Steuben	Operating	10	0.00	2.55	6,359.00
	Marsh Hill	Wind	NY	Steuben	Operating	10	16.20	15.39	52,526.00
	Niagara BioEnergy	Biogas	NY	Niagara	Under Construction	10	0.85	0.81	4,750.00
	Rio	Hydroelectric	NY	Sullivan	Operating	10	0.80	0.76	5,071.00
	Stop and Shop Clean Energy Project - Mt. Vernon	Fuel Cells	NY	Westchester	Operating	10	0.26	0.25	2,112.00
	Zolos International	Wind	NY	Ontario	Operating	10	3.30	3.14	3,847.00
	Total						46.31	46.56	155,783.00
9th Main Tier Solicitation RFP 2965	Arkwright Summit	Wind	NY	Chautauqua	Under Construction	20	77.70	73.81	229,873.00
	Jericho Rise	Wind	NY	Franklin	Operating	20	77.70	73.81	206,272.00
	Total						155.40	147.62	436,145.00
10th Main Tier Solicitation RFP 3084	Ball Hill Wind Farm	Wind	NY	Chautauqua	Under Construction	20	100.00	87.56	245,928.00
	Fullton Unit 2	Hydroelectric	NY	Oswego	Under Construction	20	0.53	0.53	4,292.00
	Morgan Stanley Headquarters	Fuel Cells	NY	New York	Operating	20	0.79	0.75	6,324.00
	Total						101.32	88.84	256,544.00
11th Main Tier Solicitation RFP 3257	Belfort Unit 3	Hydroelectric	NY	Lewis	Operating	19	0.36	0.34	1,975.00
	Burt Dam Incremental Hydro	Hydroelectric	NY	Niagara	Operating	19	0.09	0.08	324.00
	Eight Point Wind Energy Center	Wind	NY	Steuben	Under Construction	20	101.20	96.14	298,134.00
	Fullton Unit 1	Hydroelectric	NY	Oswego	Under Construction	20	0.91	0.86	7,153.00
	Glen Park	Hydroelectric	NY	Jefferson	Operating	20	7.18	6.82	32,166.00
	Hecate Energy Greene County 1	Solar	NY	Greene	Under Construction	20	49.99	47.49	85,699.00
	North Division Street Dam Hydroelectric Facility	Hydroelectric	NY	Cayuga	Under Construction	20	0.58	0.55	1,959.00
	Number Three Wind Farm	Wind	NY	Lewis	Under Construction	20	105.80	100.51	304,025.00
	Swinging Bridge (minimum flow unit)	Hydroelectric	NY	Sullivan	Under Construction	20	2.18	2.07	4,794.00
Tannery Island Hydro	Hydroelectric	NY	Jefferson	Operating	20	0.17	0.16	827.00	

- a Higley and Browns Falls had one-year agreements, thus enabling participation in RFP 1037. Only Contract quantities from RFP 1037 will be used when calculating progress.
- b Bear Creek windfarm had a four-year contract that expired on January 31, 2010. Only Contract quantities from active contracts will be used when calculating progress.
- c Maple Ridge and Spier Falls had 10-year contracts that expired on December 31, 2015. Only Contract quantities from active contracts will be used when calculating progress.
- d These facilities were awarded contracts for a percentage of output under multiple RFPs. The total new facility capacity is listed once.
- e AES Greenidge had a three-year contract that expired on July 31, 2012. Only Contract quantities from active contracts will be used when calculating progress.
- f An agreement awarded as a result of the fifth solicitation for the Marble River Wind Farm was combined with an agreement awarded under the sixth solicitation to reflect an increase in the size of the facility. The committed funding remains separated in the respective solicitation balances shown in Appendix D.
- g Modern LFG had a 10-year contract that was terminated effective January 1, 2016. Only Contract quantities from active contracts will be used when calculating progress.
- h Lyonsdale Biomass was authorized by the PSC to participate as a Maintenance Resource; therefore, it is not included with "new renewables." In an order dated November 19, 2014 the Commission authorized NYSERDA to enter into a second maintenance resource contract for a term of three years resulting in a total of 10 years for both contracts.

Appendix C: Main Tier Contracts as of December 31, 2016

Solicitation	Facility	Resource Type	Location	County	Status	Contract Duration (Years)	New Renewable Capacity (MW)	Bid Capacity (MW)	Maximum Annual Contract Quantity (MWh)
11th Main Tier Solicitation RFP 3257	Total						268.46	255.02	737,056.00
Total							2,431.13	1,876.16	5,357,250.20
Maintenance Resource	Azure Mountain	Maintenance Hydroelectric	NY	Franklin	Operating	10	0.00	0.80	2,500.00
	Boralex Chateaugay	Maintenance Biomass	NY	Franklin	Operating	10	0.00	21.00	128,000.00
	Lyonsdale	Maintenance Biomass	NY	Lewis	Operating	7	0.00		
	Lyonsdale Biomass	Maintenance Biomass	NY	Lewis	Operating	3	0.00	22.00	131,238.00
	Total						0.00	43.80	261,738.00
Total							0.00	43.80	261,738.00
Grand Total							2,431.13	1,919.96	5,618,988.20

Appendix D: Financial Status Report as of December 31, 2016

Program	Total Budget	Expended ^a	Encumbered ^b	Expended ^a + Encumbered ^b	Expended ^a + Encumbered ^b as % of Total Budget	Pre-encumbered ^c Contracts & Applications Pending	Pre-encumbered ^c Solicitation Balance	Expended ^a + Encumbered ^b + Pre-encumbered ^c	Expended ^a + Encumbered ^b + Pre-encumbered ^c as % of Total Budget	Uncommitted
Appendix D. Financial Status Report as of December 31, 2016										
Main Tier^d										
RFP 916	127,439,232	127,439,232	-	127,439,232	100.0%	-	-	127,439,232	100.0%	\$ -
RFP 1037	156,952,339	119,256,819	37,695,520	156,952,339	100.0%	-	-	156,952,339	100.0%	\$ -
RFP 1168	64,248,513	44,535,265	19,713,248	64,248,513	100.0%	-	-	64,248,513	100.0%	\$ -
RFP 1681	21,983,298	10,672,855	11,310,443	21,983,298	100.0%	-	-	21,983,298	100.0%	\$ -
RFP 1851 ^e	163,948,131	74,709,656	89,238,474	163,948,131	100.0%	-	-	163,948,131	100.0%	\$ -
RFP 2226 ^f	144,896,044	42,616,025	102,280,019	144,896,044	100.0%	-	-	144,896,044	100.0%	\$ -
RFP 2389	121,285,005	38,304,176	82,980,830	121,285,005	100.0%	-	-	121,285,005	100.0%	\$ -
RFP 2554	55,378,632	5,033,351	50,345,281	55,378,632	100.0%	-	-	55,378,632	100.0%	\$ -
RFP 2985	201,068,035	-	201,068,035	201,068,035	100.0%	-	-	201,068,035	100.0%	\$ -
RFP 3084	126,644,021	-	126,644,021	126,644,021	100.0%	-	-	126,644,021	100.0%	\$ -
RFP 3257 ^g	360,306,476	-	360,306,476	360,306,476	100.0%	-	-	360,306,476	100.0%	\$ -
Boralex- Maintenance Tier	10,605,020	10,605,020	-	10,605,020	100.0%	-	-	10,605,020	100.0%	\$ -
Azure- Maintenance Tier	500,000	159,900	340,100	500,000	100.0%	-	-	500,000	100.0%	\$ -
Lyonsdale - Maintenance Tier	27,443,711	22,598,143	4,845,568	27,443,711	100.0%	-	-	27,443,711	100.0%	\$ -
Generation Attributes Tracking System	149,798	91,314	58,485	149,798	100.0%	-	-	149,798	100.0%	\$ -
Available Main Tier/Maintenance Resource Funding ^h	59,691,621	-	-	-	0.0%	-	-	-	0.0%	\$ 59,691,621
Subtotal - Main Tier	\$ 1,642,539,875	\$ 496,021,754	\$ 1,086,826,500	\$ 1,582,848,254	96.4%	\$ -	\$ -	\$ 1,582,848,254	96.4%	\$ 59,691,621
Customer-Sited Tier										
Pre-2014 PV Funding ⁱ	328,269,506	273,446,574	44,683,813	318,130,387	96.9%	-	-	318,130,387	96.9%	\$ 10,139,119
Fuel Cells	38,597,205	4,825,000	27,652,205	32,477,205	84.1%	6,120,000	-	38,597,205	100.0%	\$ -
Anaerobic Digesters	55,520,102	21,083,648	27,292,894	48,376,542	87.1%	7,143,560	-	55,520,102	100.0%	\$ -
Small Wind	14,817,338	12,039,342	1,777,390	13,816,732	93.2%	711,207	-	14,527,939	98.0%	\$ 289,399
Solar Thermal	28,443,991	17,833,822	4,548,432	22,382,254	78.7%	6,061,737	-	28,443,991	100.0%	\$ -
Subtotal - Customer-Sited Tier	\$ 465,648,142	\$ 329,228,386	\$ 105,954,734	\$ 435,183,120	93.5%	\$ 20,036,504	\$ -	\$ 455,219,624	97.8%	\$ 10,428,518
Subtotal - Program Funding	\$ 2,108,188,017	\$ 825,250,140	\$ 1,192,781,234	\$ 2,018,031,374	95.7%	\$ 20,036,504	\$ -	\$ 2,038,067,878	96.7%	\$ 70,120,139
Administration										
Administration - Staff/Overhead	49,031,339	36,285,851	132,669	36,418,520	88.3%	14,625	-	36,433,145	88.4%	\$ 5,700,489
QAQC-CST	-	5,791,134	1,106,571	6,897,705	-	-	-	6,897,705	-	\$ -
Administration-Consultant Support	4,784,258	4,172,038	377,952	4,549,990	95.1%	-	-	4,549,990	95.1%	\$ 234,268
NYS Cost Recovery Fee ^b	49,034,025	22,941,432	-	22,941,432	46.8%	-	-	22,941,432	46.8%	\$ 26,092,593
Evaluation - Staff/Overhead & Consultant Support	2,432,827	1,334,751	27,011	1,361,762	56.0%	-	-	1,361,762	56.0%	\$ 1,071,065
Subtotal - Administration	\$ 105,282,449	\$ 70,525,206	\$ 1,644,203	\$ 72,169,409	68.5%	\$ 14,625	\$ -	\$ 72,184,034	68.6%	\$ 33,098,415
TOTAL RENEWABLE PORTFOLIO STANDARD	\$ 2,213,470,466	\$ 895,775,346	\$ 1,194,425,437	\$ 2,090,200,783	94.4%	\$ 20,051,129	\$ -	\$ 2,110,251,912	95.3%	\$ 103,218,554

^a Expended funds include contractor invoices processed for payment by NYSERDA.

^b Encumbered funds include remaining funds obligated under a contract, purchase order, or incentive award.

^c Pre-Encumbered funds include planned funding for contracts awarded and under negotiation; and planned funding under active development through open solicitations with upcoming proposal due dates.

^d Main Tier RFP Budgets include Contract Commitments as of December 31, 2016 and include contracted funds yet to be disencumbered as a result of Main Tier facility underperformance in 2016.

^e 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.

^f A January 2016 Order authorizing the Clean Energy Fund provided for a \$150 million RPS 2016 Main Tier Solicitation. This solicitation will be reported and funded from proceeds through the sale of Rec's under the CES program.

^g The RPS CST PV Funding status excludes PV activities since January 1, 2014, including the use of approved RPS-CST funds and the funds authorized for calendar years 2014 and 2015, since these are presented in a separate status report for the NY-Sun Initiative.

^h A September 19, 2011 Order authorized Interest and/or Letter of Credit proceeds to fund the NYS Cost Recovery Fee Allocations for 2011 - 2013 in excess of the budgeted amounts for those annual periods. Therefore, the actual costs for 2011 - 2013 and the future projected expenses differ from the amounts approved in the April 2010 Order and are presumed to be funded from program revenues or will require reallocation of other program budget funding.

ⁱ A February 26, 2015 PSC Order directed NYSERDA to conduct an additional RPS Main Tier Solicitation in 2016. \$150 million in funding for this solicitation was confirmed in the PSC's January 21, 2016 Order in the Clean Energy Fund proceeding. An August 1, 2016 PSC Order in the CES proceeding authorized NYSERDA to implement additional procurement levels in the 2016 procurement under defined conditions. The order instructed that the associated costs would be funded through an acceleration of the CES consumption targets for the years 2018 - 2030.

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