



RESRFP20-1 Proposers' Webinar

NYSERDA Large-Scale Renewables Team

August 4, 2020



NYSERDA

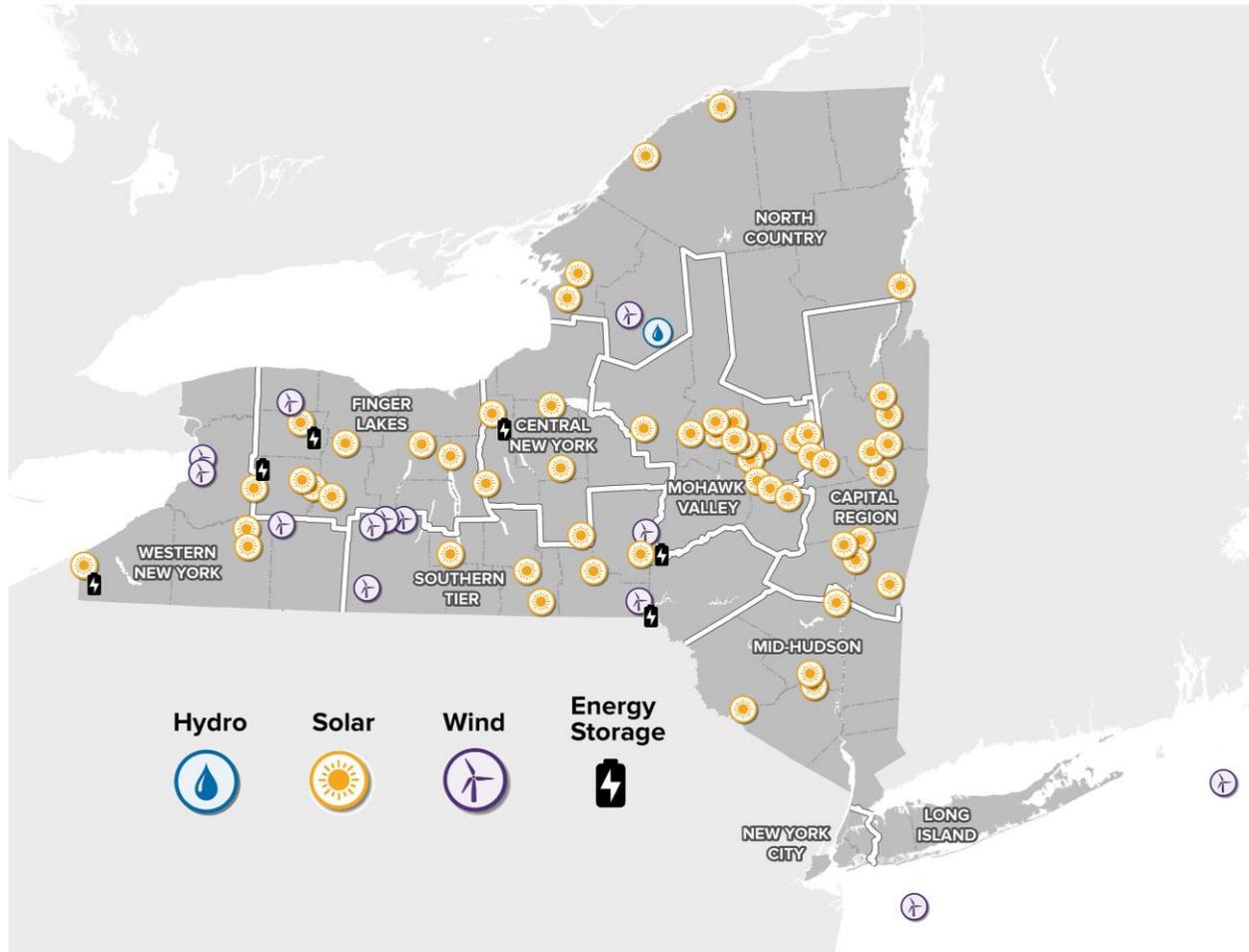
Agenda

- **Welcome & Agenda**
- **Background & RFP Summary**
- **Price Offer Structure & Evaluation**
- **Non-Price Components & Evaluation**
- **RES Standard Form Agreement**
- **Solicitation Website, Step One & Step Two Instructions**
- **Next Steps/Key Dates & Questions**

Background

Large-Scale Renewables in New York State

Nation-Leading Renewable Ramp-Up



Since 2017,
69 projects
6,000+ MW

2019 RFP Awards:

21 large-scale solar, wind, and energy storage projects

1,278 MW of renewable capacity and
40 MW of energy storage capacity

All contracted project information [available via Open NY](#)

Climate Leadership and Community Protection Act



70%
renewable
energy by
2030

[CES White Paper](#) to implement New York's CLCPA, filed by NYSERDA and DPS in June 2020 in the Clean Energy Standard Proceeding, [Case 15-E-0302](#).

Accelerated Renewable Energy Growth and Community Benefit Act



This comprehensive legislation includes **these major components**

Office of Renewable Energy Siting

Clean Energy Resources Development and Incentives Program

State Power Grid Study and Program

Related DPS Proceedings:

[15-E-0302](#)

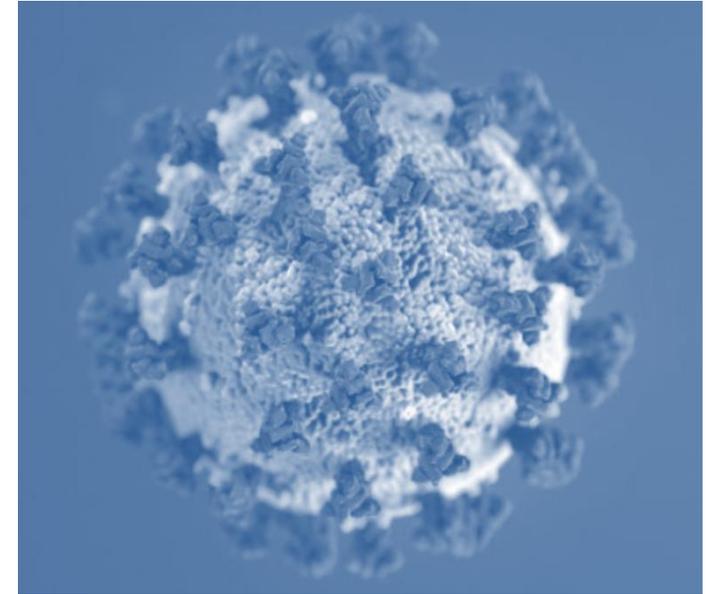
[20-E-0249](#)

[20-E-0197](#)

New York State Response to Novel Coronavirus (COVID-19)

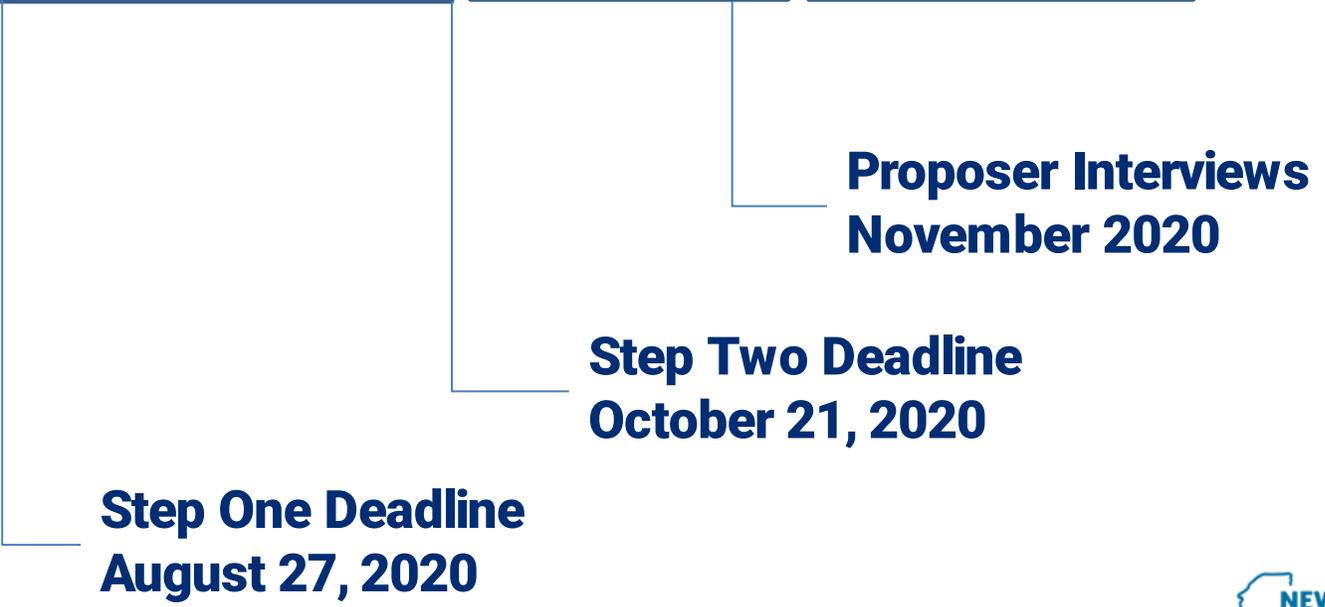
<https://coronavirus.health.ny.gov/home>

<https://www.nyserra.ny.gov/ny/COVID-19-Response>



Solicitation Summary & Schedule

RESRFP20-1 Schedule



RESRFP20-1 Multi-Step Process

Step One Eligibility Application	Step Two Bid Proposal
<p>Due Date: Thursday, August 27 by 3:00 p.m.</p>	<p>Due Date: Wednesday, October 21 by 3:00 p.m.</p>
<p>Requirements for Submission:</p> <ul style="list-style-type: none"> • Tier 1 eligibility certification (PSoQ or SoQ), obtained via NYGATS • Key Proposer and Bid Facility characteristics (location, capacity, <i>etc.</i>) 	<p>Requirements for Submission:</p> <ul style="list-style-type: none"> • Full project characteristics and details • Binding Bid Price and Bid Quantity data • Viability Threshold Requirements documentation (Site Control, Interconnection, <i>etc.</i>) • Permitting Plan • Community Engagement Plan • Operational Flexibility and Peak Coincidence documentation (P(50) 8760, energy storage details, <i>etc.</i>) • If applicable, Incremental Economic Benefits claims • Proof of Bid Fee payment

RESRFP20-1 New & Notable Items

Index REC Price Offer

- **Index REC Structure approved by the Public Service Commission for implementation under RESRFP20-1**

Permitting Plan Development

- **Proposers of projects under development must submit a Permitting Plan consistent with RESRFP20-1 and Appendix 2**
- **Additional details will be communicated to Proposers as soon as possible re: approach to protection of agricultural lands**

Commercial Operation Milestone Date

- **All facilities must enter operation by November 30, 2022, with options to extend this date to November 30, 2025**

Disadvantaged Communities

- **Economic benefits realized in disadvantaged communities will be prioritized in evaluation**

Increased Minimum Thresholds

- **Proposers should ensure that intended Bid Facilities meet all minimum Viability Thresholds**

RESRFP20-1 New & Notable Items

Accelerated Renewables Act, Office of Renewable Energy Siting

- **New Permitting process available for projects greater than 20 MW and required for all projects greater than 25 MW not yet in Article 10 process**
- **Proceeding underway to establish a utility bill credit program and expedite priority transmission projects**

Bid Fee

- **Bid Fee determined by generator**
- **Nameplate Capacity due with Bid Proposal**
- **Only one Bid Fee required per Bid Facility**

Co-issuance with New York Power Authority (NYPA)

- **Developers may bid to one or both active large-scale renewables solicitations**
- **NYPA seeking Bundled Energy + RECs, with different eligibility requirements**

Embodied Carbon

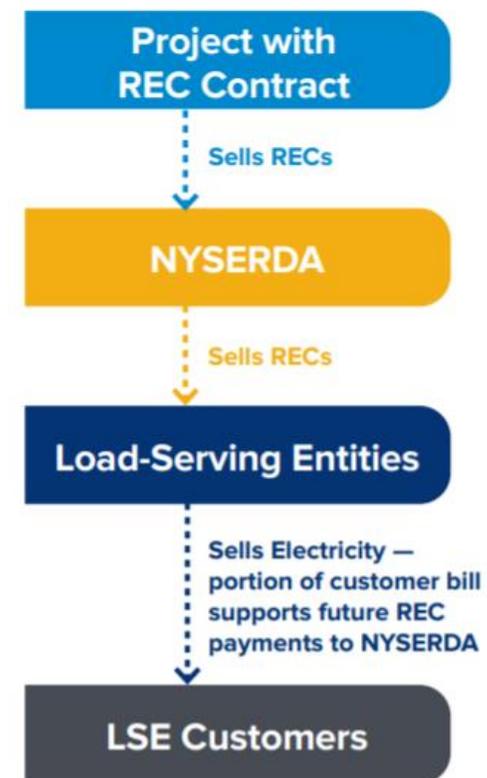
- **Proposers should detail any carbon intensity/embodied carbon impacts of expected development, construction, and operation activities**

Bid Price Structure & Evaluation

Fixed REC Offer

Fixed REC Payment Structure

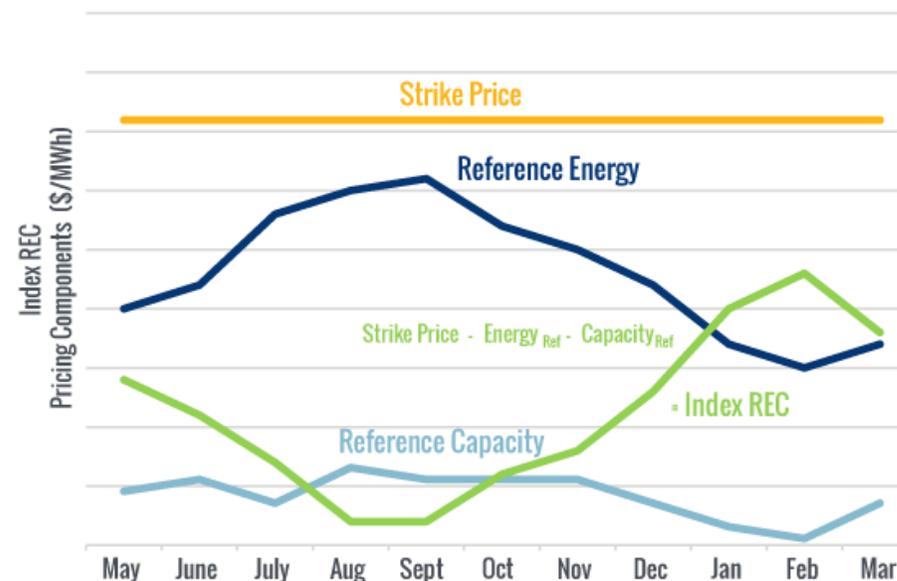
- **Fixed REC Price: Fixed price paid for each MWh generated and delivered for end use in NYS**
- **Same payment structure of previous Fixed REC Tier 1 Solicitations**
- **Optionality for Fixed or Index Renewable Energy Certificate (REC) (“Bidder’s Choice”)**



Index REC Offer

Index REC Structure

- REC payments rise and fall inversely to energy and capacity revenues
- Regardless of choice, Fixed REC Price or Index REC Strike Price will be uniform for the entire contract tenor
- Calculation of Reference Prices (Energy & Capacity) to reflect project point of interconnection/delivery



Strike Price

Represents the all-in cost per megawatt hour to develop a large-scale renewables project competitively bid to NYSERDA.

Index REC

Payments rise and fall inversely to a composite average of New York's energy and capacity market prices, which do not reflect actual project revenues but do provide protection for ratepayers and projects against volatility in utility bills and project revenue, respectively.



Index REC Offer

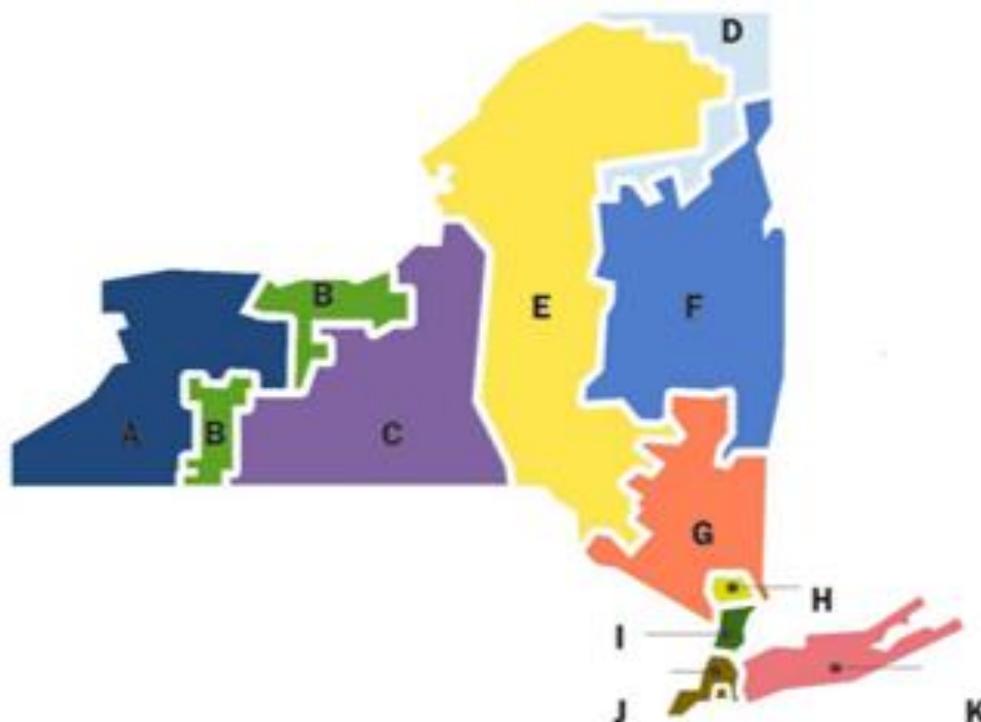
Index REC Payment Structure

- **Index REC Strike Price:** Proposer chooses one Strike Price for the contract tenor.
- **Reference Energy Price:** Calculated monthly based on the hourly day-ahead Locational Based Marginal Pricing (LBMP).
- **Reference Capacity Price:** Calculated monthly based on the Seller-selected fixed, seasonal UCAP factor, multiplied by the MWh equivalent of the monthly ICAP spot market auction price.
- **Monthly REC Price:** Difference of Strike Price and sum of Reference Energy Price and Reference Capacity Price for each month, paid for each MWh produced by the Bid Facility in the subject month.

$$\text{Index REC Strike Price} - \left(\text{Reference Energy Price} + \text{Equiv. Reference Capacity Price} \right) = \text{Monthly REC Price (\$/MWh) Paid to Seller}$$

Fixed & Index REC Evaluation

- **Fixed REC and Index REC will be converted to a Levelized Net REC Cost (LNRC), evaluated over the contract tenor.**
 - 6.14% nominal Discount Rate employed
- **Index REC strike prices will be converted to LNRCs with NYISO Zone-specific energy and capacity forecasts**
- **Lowest LNRC will receive the maximum points available for the Bid Price component (70 points), higher LNRCs will receive lower scores (less than 70 points)**



Non-Price Components & Evaluation

Project Viability

Economic Benefits

Operational Flexibility

Non-Price Components – Project Viability

Project Viability

- **Site Control**
- **Interconnection**
- **Permitting**
 - Permitting Plan
- **Project Development**
- **Project Financing**
 - Financing Plan
- **Resource Assessment/Energy Prod. Estimate**
- **Community Engagement**
 - Community Engagement Plan
 - cleanenergyhelp@nyserda.ny.gov
- **Embodied Carbon**



All minimum Viability Threshold Requirements must be met to be evaluated for an award

Non-Price Components – Project Viability

Category	Threshold	Documentation
Site Control	50% generator site control Full control of POI	Site Map Project Site Parcel Detail
Interconnection	SIS/SRIS (or equiv.) in progress	Grid Operator Evidence
Permitting	Permitting Plan & other topical descriptions (e.g. local laws)	Permitting Plan
Project Development	One RE project developed Full project development schedule	Development experience
Project Financing	One RE project financed Financing Plan	Financing Plan Financing experience
Resource Assessment & Energy Prod. Estimate (RA/EPE)	Resource Assessment & Energy Production Estimate consistent with Appendix 1	RA/EPE Report
Community Engagement	Outreach with host communities Community Engagement Plan	Community Engagement Plan
Embodied Carbon	Description of embodied carbon/ Life Cycle carbon footprint	

Non-Price Components – Economic Benefits

Incremental Economic Benefits to New York

- **Long-term Economic Benefits**
- **Short-term Economic Benefits**

- **Eligible as of the RFP Launch Date**
- **Economic Benefits to Disadvantaged Communities will be prioritized in evaluation**

- **Economic Benefit claims will be term in the Agreement to fulfill through Y3 (Expected Total Dollars)**
 - **To be verified by independent CPA**
 - **Economic Benefits for entire Contract Tenor will still be requested by NYSERDA**

Non-Price Components – Operational Flexibility

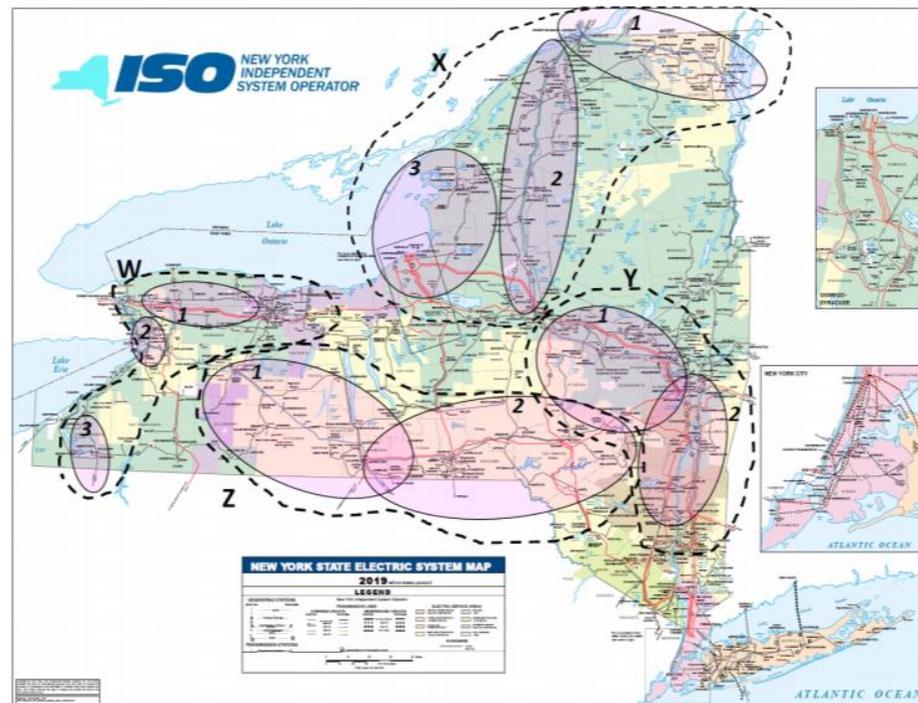
Operational Flexibility and Peak Coincidence (OpFlex)

Energy Deliverability

- **Points distributed based on expected energy deliverability potential and compatibility with today's grid and a 70% by 2030 grid**

Energy Storage

- **Larger Energy Storage Capacity (MWh) awarded more points**
- **Larger Energy Storage Capacity (MWh) in relation to generator Nameplate Capacity (MW) awarded more points**



Post-Evaluation and Awards

Portfolio Risk Assessment

- **Employed by NYSERDA and DPS to account for developer, technology concentration in the award group.**

Program Policy Factors

- **Employed if needed at NYSERDA and DPS discretion to ensure fulfillment of the CES and CLCPA objectives in light of potential critical risks to the award group.**

NYPA Coordination

- **NYSERDA and NYPA are coordinating on the best approach to arriving at a group of selected projects by both Authorities that will not have detrimental effects on one another.**

RES Standard Form Agreement

RES Standard Form Agreement

- **Definitions**
 - Index REC inputs, Reference Energy & Capacity Price
- **Article 4 Pricing and Payment**
 - Index Calculation
 - NYISO Capacity Market and Mitigation Factor
 - Fixed REC Carbon Price Adjustment, per the Order Modifying Tier 1 Procurements
- **Prevailing Wage**
- **Post-Award Contracting Process Contract Security**

Solicitation Website

Step One & Step Two Instructions

Pre-Step One- NYGATS Registration

New York Generation Attribute Tracking System (NYGATS)

[Sign in \(Existing Users\)](#) 

[Register \(New Users\)](#) 

NYGATS is an online certificate-tracking system that records information about electricity generated, imported, and consumed within New York State.

<https://nygats.ny.gov/>

<https://www.nyserda.ny.gov/All-Programs/Programs/NYGATS>



NYSERDA

Step One- Solicitation Website Registration



Accion Home	NYSERDA	Schedule	Announcements	Documents	Q&A	Register	Tutorial	Log On
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New York State Energy Research and Development Authority (NYSERDA)
Renewable Energy Standard
Purchase of New York Tier 1 Eligible Renewable Energy Certificates
REQUEST FOR PROPOSALS (RFP) No. RESRFP20-1 ("RESRFP20-1")

Step One- Eligibility Application Management



Create a new bid here



View All Applications

Form Sections

(Show Section No.s)

Prequalification Form

1	NYSERDA RFP Acknowledgements	✓
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Application Form

1	Step One Eligibility Application	3/4
2	Contact Parties	1/44
3	Bid Facility, Site, and Generating Equipment Description	1/20
4	Energy Storage	0/15
5	Confidentiality and Mandatory Questions	0/11
6	Certification Statement	0/5

Step One Eligibility Application

[Printable Application Form](#)

Time Remaining: 332 Days, 19 Hours, 22 Minutes and 24 Seconds

Application Information

Last Saved: 7/27/2020 7:37:22 PM
Application #: 209-01

Step One Eligibility Application

(required) Enter NYGATS ID:

PRO12345

(required) Please upload the signed letter confirming your Tier-1 eligibility for NYGATS Statement of Qualification (SoQ) or Provisional Statement of Qualification (PSoQ), accessible at <https://nygats.ny.gov>. Please do not upload NYGATS screenshots:



(required) Is the Bid Facility is currently in operation and in possession of an SoQ? Yes No

Bid Facility SoQ

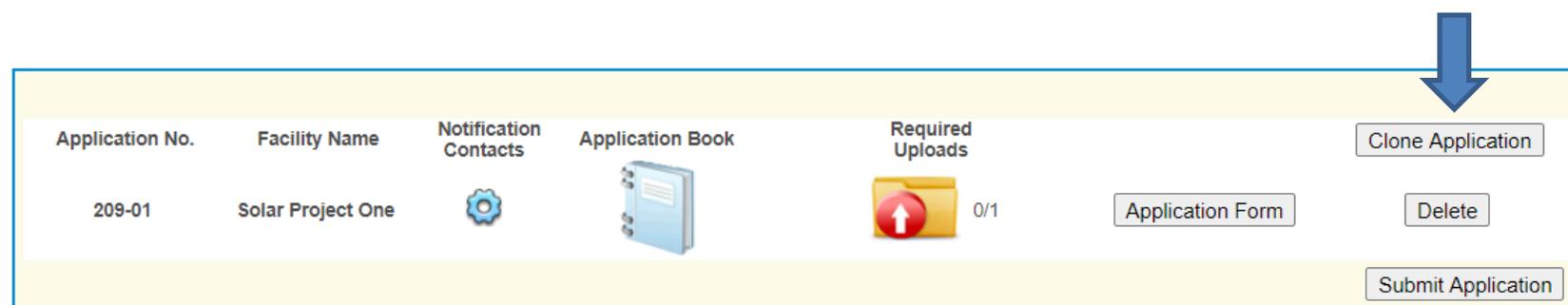
(required) Do you intend to include Energy Storage in a Step Two Bid Proposal? Yes No

Facility Energy Storage

Step One- Eligibility Application Management

For Proposers including Energy Storage:

- **Complete two separate Step One Eligibility Applications, one with and one without Energy Storage**
- **Clone feature on the solicitation website may be used to make a copy of the Application without Energy Storage as a starting point for the Application with Energy Storage.**



Application No.	Facility Name	Notification Contacts	Application Book	Required Uploads		
209-01	Solar Project One			 0/1	<input type="button" value="Application Form"/>	<input type="button" value="Delete"/>
						<input type="button" value="Clone Application"/>
						<input type="button" value="Submit Application"/>

NYSERDA Notice of Qualification

Notice of Qualification will include:

- **Determination of eligibility to submit a bid**
 - NYSERDA will attempt to cure any preliminary Ineligible determinations with Proposers
- **Maximum Contract Tenor**
- **Other Bid Quantity Inputs**
 - Tier 1 Percentage (Upgrades/Cofires),
- **Instructions on submitting a Step Two Bid Proposal**
- **Step Two required forms**
 - Bid Data Form (Attachment D)
 - P(50) 8760 Template

Step Two- Bid Proposal Management and Submission



18	Permitting	✓
19	Project Development	✓
20	Resource Assessment and Energy Production Estimate	✓

- **Eligible Step One Applications will have new sections available to complete in order to submit a Step Two Bid Proposal**
- **All new fields will be contained in new sections unlocked for eligible facilities participating in Step Two**

Next Steps & Key Dates

Solicitation Key Dates

Date	Event
July 21, 2020	Solicitation Launch
August 20, 2020	NYGATS Registration Requests deadline to be eligible to apply
August 27, 2020	Deadline – Step One Eligibility Application
August 2020	AGM details to be shared with Proposers
September 8, 2020	NYSERDA responds with Notice of Qualification to Bid
October 21, 2020	Deadline – Step Two Bid Proposal All Bid Proposal Documents, Price and Non-Price Components
November 2020	NYSERDA reserves right to schedule Proposer Interviews
Dec 2020/Jan 2021	NYSERDA notifies awarded Proposers

Questions

Please send requests/inquiries via the Q&A and Messages feature of the solicitation website

Proposers may send interim questions to res@nyserderda.ny.gov

All RFP information available at www.nyserderda.ny.gov/ces/rfp