

## REQUEST FOR PROPOSALS RESRFP19-1

Renewable Energy Standard Program  
Purchase of Renewable Energy Certificates



**NYSERDA**

# RESRFP19-1 Proposers' Webinar

May 2, 2019

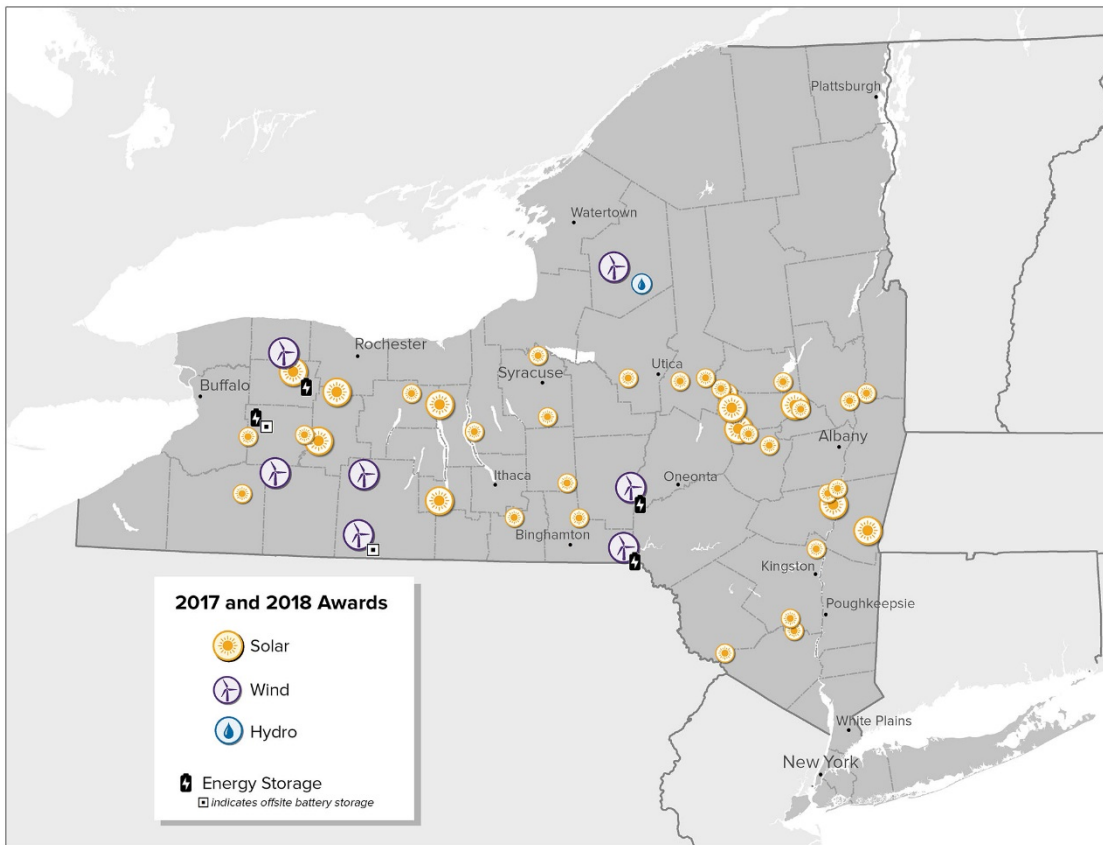
# Agenda

- Background
- RESRFP19-1 Overview
  - New Items & Important Notes
  - NY Green Bank Informational Webinar
  - Step One Resource Eligibility Determination
  - Step Two Application for Qualification
  - Notice of Qualification
  - Step Three Bid Proposal
  - Awards
  - Contractual Requirements
- Q & A

# Background

Doreen Harris

# Prior RES Solicitation Awards



\$2.9 billion awarded since 2018 as a result of the first two RES solicitations

46 large-scale renewable energy projects across New York

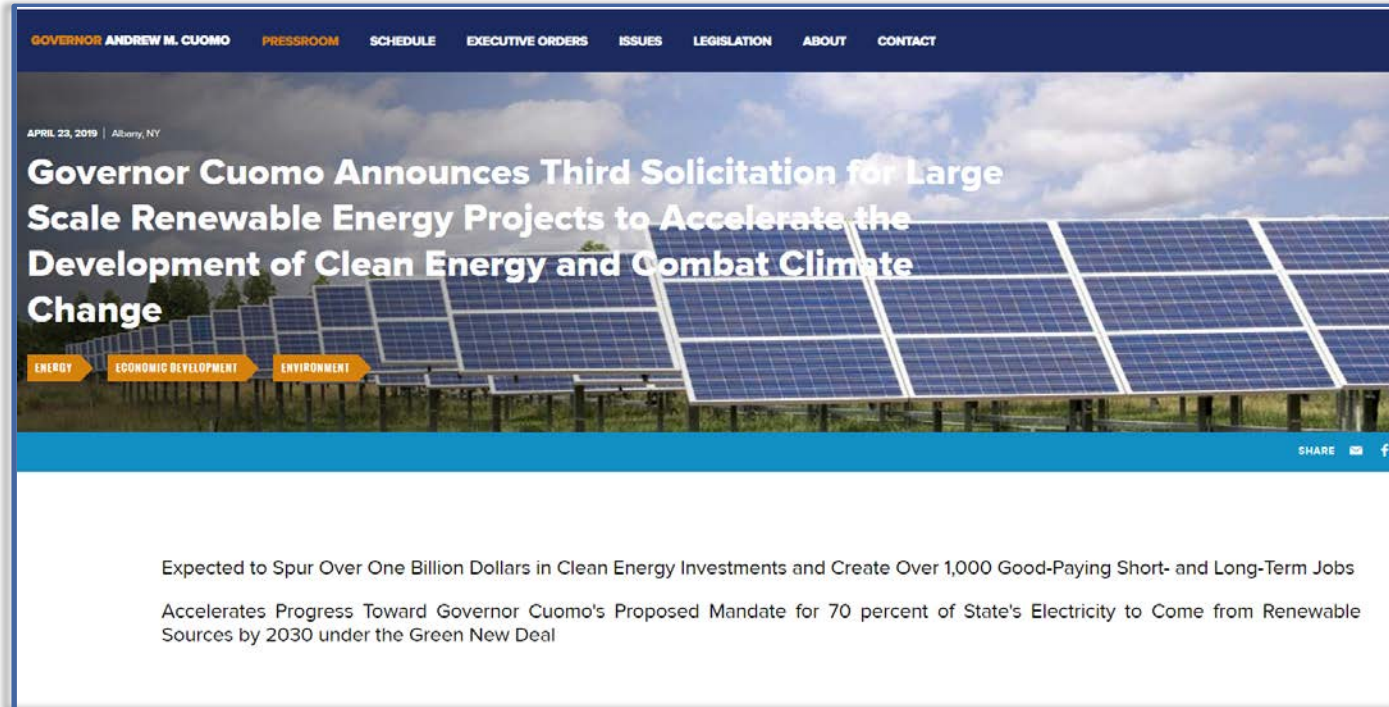
- 38 solar farms, one with energy storage
- Seven wind projects, three with energy storage
- One hydroelectric facility

Enough electricity to power nearly one million homes

Creation of over 5,600 short- and long-term good paying jobs

# April 23, 2019: 2019 Solicitation Is Issued

Press Release available from: [www.governor.ny.gov](http://www.governor.ny.gov)



GOVERNOR ANDREW M. CUOMO PRESSROOM SCHEDULE EXECUTIVE ORDERS ISSUES LEGISLATION ABOUT CONTACT

APRIL 23, 2019 | Albany, NY

## Governor Cuomo Announces Third Solicitation for Large Scale Renewable Energy Projects to Accelerate the Development of Clean Energy and Combat Climate Change

ENERGY ECONOMIC DEVELOPMENT ENVIRONMENT

SHARE

Expected to Spur Over One Billion Dollars in Clean Energy Investments and Create Over 1,000 Good-Paying Short- and Long-Term Jobs

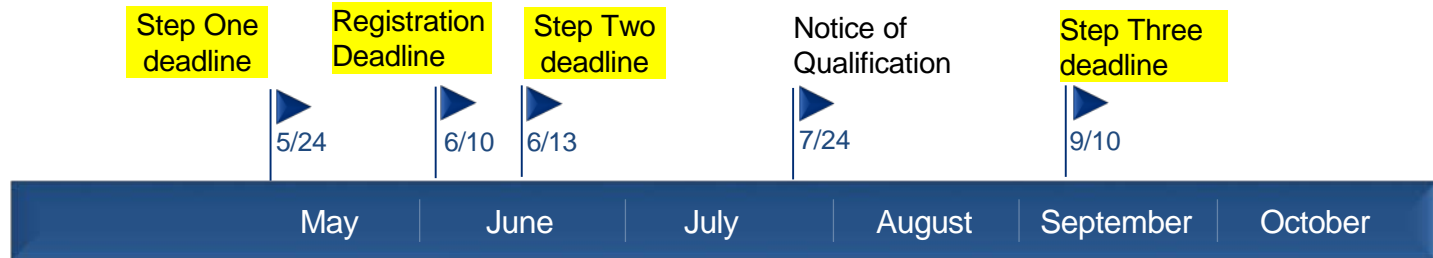
Accelerates Progress Toward Governor Cuomo's Proposed Mandate for 70 percent of State's Electricity to Come from Renewable Sources by 2030 under the Green New Deal

NEW YORK STATE OF OPPORTUNITY. NYSERDA

# RESRFP19-1 Overview

Abbey DeRocker

# 2019 RES Procurement Timeline



Proposer's Webinar

May 2

Step One Resource Eligibility Determination

by May 24

Registration Deadline

Jun 10

Step Two Application for Qualification Open

May 3 – Jun 13

Step Three Bid Proposal Open

Jul 24 – Sep 10

Evaluation

Sept 11 - October

Award Notification

November

# New and updated RES Provisions in 2019

- **Transparency and Community Outreach**
- **Consultation with Department of Agriculture and Markets**
- **Enhanced Resource Assessment and Energy Production Estimate**
- **Energy Storage**
  - NYSERDA encourages Proposers to review the [Battery Energy Storage System Guidebook](#)
- **Incremental Economic Benefits updated**
- **Commercial Operation Milestone Date (COMD) extended**
- **Enhanced Financing Plan and Business Entity description**
- **Increased Minimum Threshold Requirement for project development experience**

# NY Green Bank – Financing Large Scale Renewables

Nicholas Whitcombe

# NY Green Bank – Overview

## Mission:

To accelerate clean energy deployment in New York by working in collaboration with the private sector to transform financing markets

- **What:** A \$1 billion State-sponsored investment fund that is a division of NYSERDA
- **Why:** To alleviate financing gaps in New York's clean energy markets and create a cleaner, more resilient and affordable energy system
- **How:** By mobilizing greater private sector activity to increase the availability of capital for clean energy projects

**Supporting the expansion of Large-Scale Renewables in New York State is a strategic priority for NYGB**

# NY Green Bank – Financing LSR

NYGB is prepared to support developers and investors with a range of credit products and structures, including:

- Interconnection deposit financing
- Long lead time equipment financing
- Construction financing
- Term loans, including subordinated debt to increase tenor and leverage

NYGB will evaluate contracted revenues, including NYSERDA RECs, as well as wholesale power and capacity sales to support long term financing

## Executed LSR Transactions:

RockWind  
Holdings  
**\$33.75 MM**

Valcour  
Wind  
**\$68.75 MM**

May 15<sup>th</sup> 2pm  
**Webinar**  
(click to register)

**Financing Large-  
Scale Renewable  
Projects**

For more information: [info@greenbank.ny.gov](mailto:info@greenbank.ny.gov)

# Step One Resource Eligibility Determination

Marci Brunner

# Step One Resource Eligibility Determination – Tier 1 Certification

- <https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Standard/Renewable-Generators-and-Developers/RES-Tier-One-Eligibility>

Please visit <https://www.nyserda.ny.gov/NYGATS> to register and apply for Tier 1 eligibility

Date	Event
May 24	Deadline - Step One Resource Eligibility Determination submission
June 7	NYSERDA responds with Resource Eligibility Determination

# Step One Resource Eligibility Determination – Tier 1 Certification

The [Order Adopting a Clean Energy Standard](#) established Renewable Energy Standard eligibility requirements.

Prior to participating in RESRFP19-1:

- Operating facilities will apply for a Statement of Qualification (SoQ)
- Facilities that are not yet operational will apply for a Provisional Statement of Qualification (PSoQ)
- Proposers with an existing PSoQ should review details – contact [res@nyserda.ny.gov](mailto:res@nyserda.ny.gov) to initiate changes if necessary

Tier 1 eligible generation sources:

- Biogas
- Biomass
- Liquid Biofuels
- Fuel Cell
- Hydroelectric
- Solar
- Tidal/Ocean
- Wind

Please direct eligibility questions to:  
[res@nyserda.ny.gov](mailto:res@nyserda.ny.gov)



NYSERDA

# Step Two Application for Qualification

Jennifer Phelps

# Step Two Application for Qualification

A complete application package is an online submission that consists of:

- Step Two Application for Qualification Form (Attachment A), including the Threshold Eligibility Narrative (Attachment B)
- Minimum Threshold Requirement supporting documentation for:
  - Site Control\*
  - Interconnection
  - Permitting\*
  - Project Development\*
  - Resource Assessment and Energy Production Estimate
- Proof of Bid Deposit

*\* Please use templates provided as attachments to NYSERDA's RFP.*

*If the proposed bid facility is in operation, Proposers need only submit underlined items.*

# Submitting a Step Two Application for Qualification

# Step Two Application for Qualification

Electronic submission website - <http://nyserdaresfp19-1.accionpower.com/>

## Step Two Application for Qualification



















To start a Step Two Application for Qualification, proposers must first register to create an account on NYSERDA's [electronic submission website](#). The Step Two Application for Qualification will be available to proposers following the Proposers' Webinar.

The screenshot shows the top section of the NYSERDA website. On the left, it says "REQUEST FOR PROPOSALS RESRFP19-1". To the right of this, it says "Renewable Energy Standard Program" and "Purchase of Renewable Energy Certificates". Further right is the NYSERDA logo, which includes the text "NEW YORK STATE OF OPPORTUNITY." and "NYSERDA". Below this header is a navigation menu with several buttons: "Home", "Schedule", "Announcements", "Documents", "Q&A", "Register", and "Log On". The "Register" button is highlighted with a red rectangular box.

Date	Event
June 10	Registration Deadline – Step Two Application for Qualification
June 13 at 3:00pm ET	Deadline – Step Two Application for Qualification Submission

# Submitting a Step Two Application for Qualification

Required forms and attachments can be found on the Documents page of the electronic submission website:

-  a. Final RFP Documents
  -  RESRFP19-1 - Renewable Energy Standard Purchase of New York Tier 1 Eligible Renewable Energy Certificates Summary.pdf
-  b. Required RFP Forms and Attachments
  -  Attachment A - Step Two Application for Qualification Form.pdf
  -  Attachment B - Step Two Application for Qualification Threshold Eligibility Narrative.pdf
  -  Attachment C - Summary Description of Control Status by Parcel.xlsx
  -  Attachment D - Environmental Assessment Form.pdf
  -  Attachment E - List of Required Permits.xlsx
  -  Attachment F - Project Development Experience.xlsx
  -  Attachment G - Project Financing Experience.xlsx
  -  Attachment H - RES Standard Form Agreement, Exhibit A, B, and C.pdf
  -  Attachment H - RES Standard Form Agreement, Exhibit D - Requirements for Biomass-Fueled Bid Facilities.pdf
  -  Attachment H - RES Standard Form Agreement, Exhibit E - Department of Agriculture and Markets Guidelines for Agricultural Mitigation.pdf
  -  Attachment I - Public Release of Bid Facility Information Form.pdf
  -  Attachment J - Electronic Submission Instructions.pdf
-  c. NYSERDA Documents
  -  NYSERDA Disclaimer.docx
  -  NYSERDA Internet Privacy Policy.docx

# Submitting a Step Two Application for Qualification



Create a new bid here



Step Two Application for Qualification Form
Printable Proposal Form

Time Remaining: 43 Days, 0 Hours, 41 Minutes and 9 Seconds

Proposal Information  
Last Saved: 5/1/2019 2:18:22 PM  
Proposal #: 185-02

Step Two Application for Qualification Form

(required) Enter NYGATS ID:

(required) Please upload the signed letter confirming your Tier-1 eligibility for NYGATS Statement of Qualification/Provisional Statement of Qualification. Please do not upload NYGATS screenshots:

(required) Is the bid facility currently in operation and been granted an SoQ?  Yes  No




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

Next

# Submitting a Step Two Application for Qualification

For Proposers including Energy Storage:

- Complete two separate Step Two Applications for Qualification, one with and one without Energy Storage
- Clone feature on the electronic submission website may be used to make a copy of the Application without Energy Storage as a starting point for the Application with Energy Storage

Proposal No.	NYGATS ID	Project Name	Nameplate Capacity	Facility Energy Storage	Notification Contacts	Proposal Book	Required Uploads		
185-02	GEN12345		200	No			 2/16	<a href="#">Clone Proposal</a>	<a href="#">Delete</a>
								Bid Deposit: \$100,000.00	
								<a href="#">Submit Proposal</a>	

# Notice of Qualification

# Step Three Bid Proposal

## Bram Peterson

## Step Three Bid Proposal

A complete proposal package is an online submission that consists of:

- Bid Facility Overview
- Bid Quantity, Bid Price, and Contract Tenor
- Incremental Economic Benefits
- Project Viability
  - If applicable, provide additional documentation to demonstrate the current level of progress in any of the first five Project Viability Categories beyond the documentation provided in Step Two;
  - Site Character
  - Community Outreach
- Operational Flexibility and Peak Coincidence
  - If applicable, a Load Matching production profile consistent with the Resource Assessment & Energy Estimate
  - If applicable, Energy Storage documentation
- Public Release Bid Facility Information Form & Community Outreach Plan

Project Viability sub-categories:

- 1) Site Control
- 2) Interconnection
- 3) Permitting
- 4) Project Development
- 5) Resource Assessment
- 6) Site Character
- 7) Community Outreach

*\*If the proposed bid facility is in operation, Proposers need only submit underlined items .*

## Step Three Bid Proposal - Site Character

Proposers have the option to claim Site Character points by attesting that:

- 1) The permanent generation, interconnection and, if applicable, Energy Storage footprint (Permanent Physical Footprint) associated with the Bid Facility will avoid land identified by the United States Department of Agriculture (USDA) as prime farmland and prime farmland if drained (“Prime Farmland”), and/or
- 2) The permanent generation, interconnection and, if applicable, Energy Storage footprint (Permanent Physical Footprint) associated with the Bid Facility will avoid parcels with an agricultural assessment at the time of Step Three Bid Proposal submittal.

In addition, Proposers must also agree to construct the Bid Facility in accordance with NYS DAM Guidelines for Agricultural Mitigation (Exhibit E to Attachment H).

NYSERDA has provided an interactive web-based map and downloadable SHP files for reference, available in 2019 Solicitation Resources page: <https://www.nyserdera.ny.gov/All-Programs/Programs/Clean-Energy-Standard/Renewable-Generators-and-Developers/RES-Tier-One-Eligibility/Solicitations-for-Long-term-Contracts/2019-Solicitation-Resources>

# RESRFP19-1 Solicitation Resources

## 2019 Solicitation Resources

Proposers should use these resources to inform their decisions prior to submitting a Step Two Application for Qualification and a Step Three Bid Proposal to RESRFP19-1.

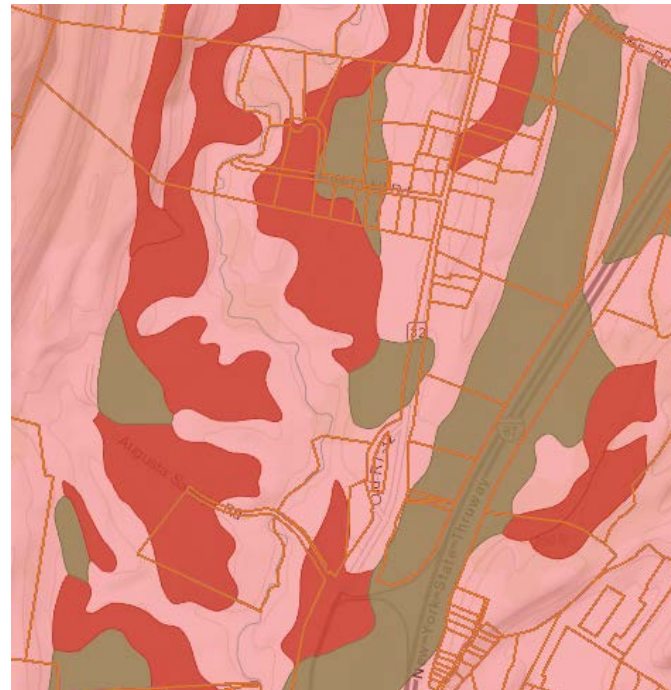
### Site Character and Agricultural Resources

Proposers should use the Site Character Map to inform any attestations made in the Step Three Bid Proposal relating to the subcategory: Project Viability-Site Character. All areas of the map displayed as dark red and green are designated as USDA Prime Farmland. To aid proposers in considering the bid facility's potential location, tax parcel data has also been provided for counties with data that is available for public distribution.

- [2019 RESRFP19-1 Project Viability, Site Character Map](#)

Further information on **USDA Prime Farmland**, [organized by region](#):

- [Capital Region](#) [ZIP]
- [Central New York](#) [ZIP]
- [Finger Lakes \(East\)](#) [ZIP]
- [Finger Lakes \(West\)](#) [ZIP]
- [Long Island](#) [ZIP]
- [Mid-Hudson](#) [ZIP]



## Step Three Bid Proposal - Community Outreach Plan

Proposers must provide a complete description and overview of a Bid Facility's (and if applicable, Energy Storage) Community Outreach Plan

- Summarize outreach activities to date
- Identify future public engagement events and communications
- Describe any benefits to the host community associated with the Bid Facility's development, including PILOT/host community agreement payments
- Describe local interests and concerns, including organized support and/or opposition groups, and if applicable, proposed mitigation measures to address concerns
- Identify any local ordinances, zoning prohibitions, and moratoria that may impact the project
- Align responses with Attachment E. List of Required Permits

*The Community Outreach Plan will be made public shortly after Bid Proposals are received.*

*No information provided will be redacted by NYSERDA.*

## Step Three Bid Proposal- Public Release of Bid Facility Information


Proposers are required to submit a completed Attachment I. Public Release of Bid Facility Information form with their Step Three Bid Proposals

- NYSERDA will post all Attachment I forms publicly on the RES website shortly after Bid Proposals are received.
- Information must be consistent with and not conflict with other information provided in the Step Three Bid Proposal

***Attachment I. Public Release of Bid Facility Information will be made public shortly after Bid Proposals are received.***

***No information provided will be redacted by NYSERDA.***

**REQUEST FOR PROPOSALS RESRFP19-1**  
Renewable Energy Standard Program  
Purchase of Renewable Energy Certificates



**NYSERDA**

Attachment I. Public Release of Bid Facility Information

Bid Facility Name:	
Proposer:	
Technology:	
Proposed Nameplate Capacity (Megawatts):	
Location (Town/City and County):	
NYISO Interconnection Queue Number (if applicable):	
NYS PSC Article 10 Case Number (if applicable):	
General Description of Project (300 words or more):	

## Step Three Bid Proposal - Operational Flexibility

Proposers may earn up to six (6) Operational Flexibility points by including Energy Storage with their Bid Proposal.

A Bid Facility paired with Energy Storage will be eligible for an award if the Energy Storage system is either:

- 1) co-located with the generation behind a single wholesale or retail meter in the NYCA, or
- 2) co-located with the generation behind a separate wholesale or retail meter in the NYCA, or
- 3) located in a separate location from the generation inside the NYCA.

Energy Storage must have a minimum Energy Storage capability, in megawatt-hours, determined by the Bid Facility's Nameplate Capacity.

Energy Storage eligibility limitations: see page 15 of the RFP.

# Bid Proposal Evaluation

Abbey DeRocker

# RESRFP19-1 Evaluation Methodology

## Price Component:

- 70% Bid Price
- Lowest bid receives 70 points; remainder of acceptable bids are awarded in proportion relative to the lowest bid price
  - Ranking and weighting on an NPV basis over contract duration (up to 20 years)
- DISCo Rate of 6.66% established by the Department of Public Service Office of Accounting, Audits and Finance
- NYSERDA will employ a confidential Maximum Acceptable Bid Price Evaluation Metric

## Non-price Components:

- 10% Economic Benefits
- 10% Project Viability
- 10% Operational Flexibility and Peak Coincidence

Non-price Components  
evaluated by the TEP

# Evaluation: Economic Benefits – 10% Weight

Category	Points
A) Long-term benefits to New York State	6.5
B) Short-term benefits to New York State	3.5

- If applicable, Proposers will submit their estimates of economic benefits with their Step Three Bid Proposal
- Proposers must submit a third-party audit of the claims three years after the start of contract delivery.
- NYSERDA will provide Proposers with Incremental Economic Benefits Reporting Standards and Agreed Upon Procedures document with a Notice of Qualification

## Evaluation: Project Viability – 10% Weight

Category	Subcategory	Category Points
Site Control	Generator	1.5
	Interconnection Right of Way	0.5
Interconnection Progress		2.0
Permitting Progress		1.5
Project Development		1.0
Resource Assessment and Energy Production Estimate		1.0
Site Character		1.5
Community Outreach		1.0

# Evaluation: Operational Flexibility & Peak Coincidence – 10% Weight

Category	Scoring Approach	Category Points
Load Matching	<p>Bid Facilities in Zones G through K receive 100% category points</p> <p>Bid Facilities in A through F will receive a score in proportion to its capacity factor during the lowest 10% of historic annual load hours for Zones A through F in aggregate</p>	4
Energy Storage (if applicable)	Storage Capacity (MWh); Minimum amount is required relative to renewable capacity	6

# Awards

Peter Keane

# Award Recommendation

- Ranking
- Initial award group
- NYSERDA reserves the right to employ a wait-list
  
- DPS and NYSERDA may employ a Portfolio Risk Assessment, consisting of one or more tests:
  - Diversity of resources
  - Diversity of owners
  - Developer experience

# Contractual Requirements

# NYSERDA RES Standard Form Agreement

- RES Standard Form Agreement - Attachment H of RFP
  - Exhibit A – NYSERDA Standard Terms and Conditions
  - Exhibit B – Letter of Credit
  - Exhibit C – NYSERDA Prompt Payment Policy
  - Exhibit D – Requirements for Biomass Fueled Bid Facilities
    - [June 2018 Biomass Power Guide](#)
  - Exhibit E – Department of Agriculture and Markets Construction Standards

# New Items

- Excused Production and Force Majeure
- Construction Activities and Construction Period
- Energy Storage Requirements
- Code of Conduct for Contractors
- Site Character Security
- Non-Article 10 Projects in Agricultural Districts

# Contractual Requirements

## Article XV. Contract Security

Amount	Due Date	COMD
\$9.00 * Annual Bid Quantity	Within 30 days of November Award	November 30, 2021
\$6.00 * Annual Bid Quantity	November 30, 2020	November 30, 2021
Extension of Commercial Operation Milestone Date		
\$2.00 * Annual Bid Quantity	October 29, 2021	May 31, 2022
\$2.00 * Annual Bid Quantity	April 29, 2022	November 30, 2022
\$2.00 * Annual Bid Quantity	October 31, 2022 <sup>^</sup>	May 31, 2023
\$2.00 * Annual Bid Quantity	April 28, 2023 <sup>^</sup>	November 30, 2023
\$2.00 * Annual Bid Quantity	October 31, 2023 <sup>^</sup>	May 31, 2024
\$2.00 * Annual Bid Quantity	April 30, 2024 <sup>^</sup>	November 30, 2024

<sup>^</sup>Section 15.03 Executed Interconnection Agreement. Seller may provide an executed Interconnection Agreement in lieu of additional Contract Security

# Thank you for your participation

Doreen Harris, Director

Abbey DeRocker, Program Manager

Marci Brunner, Senior Project Manager

Jenn Phelps, Senior Project Manager

Jeremy Wyble, Senior Project Manager

Bram Peterson, Assistant Project Manager

Peter Keane, Deputy General Counsel

Nicholas Whitcombe, Managing Director,  
NY Green Bank



Please direct all general questions to the Q&A feature of the electronic submission website:

<http://nyserdaresrfp19-1.accionpower.com/>

# NYSERDA RESRFP19-1 Timeline

Date	Event
May 2	Proposers' Webinar
May 15	NY Green Bank <a href="#">Informational Webinar</a> – Financing Large-Scale Renewables
May 24	Deadline – Step One Resource Eligibility Determination request
June 7	NYSERDA responds with Step One Resource Eligibility Determination
June 10	Deadline – Register for a NYSERDA Portal account
June 13 at 3:00pm ET	Deadline – Step Two Application for Qualification
July 24	NYSERDA notifies Proposers with Notice of Qualification
Sept 10 at 3:00pm ET	Deadline – Step Three Bid Proposal
November	NYSERDA notifies Proposers receiving awards

# Resources

# RES Resources

NYSERDA's Clean Energy Standard website:

<https://www.nyserda.ny.gov/ces>

Tier 1 Eligibility, Certification Guidelines, and Instructions:

<https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Standard/Renewable-Generators-and-Developers/RES-Tier-One-Eligibility/Certification>

NYGATS: <https://www.nyserda.ny.gov/nygats>

NYSERDA's Tier 1 REC Procurement website for RESRFP19-1:

<https://www.nyserda.ny.gov/ces/rfp>

RESRFP19-1 resources: <https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Standard/Renewable-Generators-and-Developers/RES-Tier-One-Eligibility/Solicitations-for-Long-term-Contracts/2019-Solicitation-Resources>

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