Index Storage Credit Request for Proposals (ISCRFP25-1) Proposer's Webinar

NYSERDA Bulk Energy Storage Team

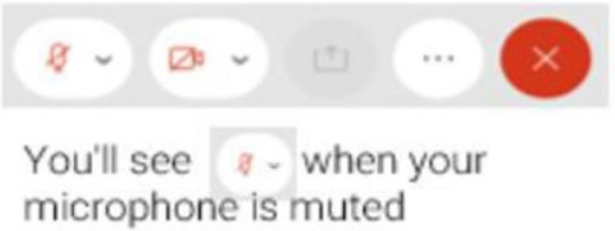
August 13, 2025

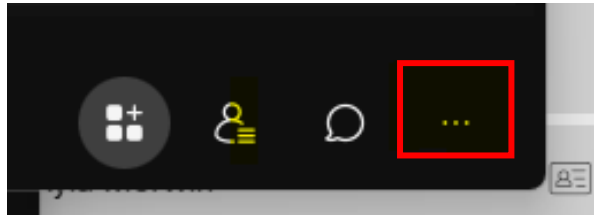
NEW YORK STATE | NYSERDA
New York State Energy Research and Development Authority

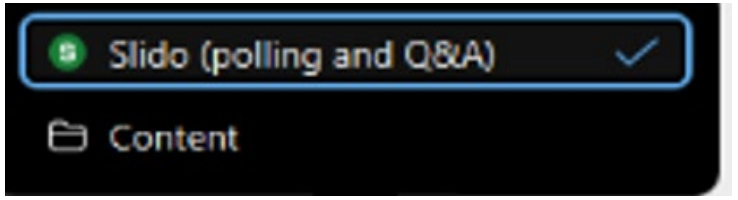
GETTING STARTED

Participation for Members of the Public:

- **Members of the public are muted upon entry**
- **Questions and comments may be submitted in writing through the Slido Q&A feature at any time during the event.**
  - Click the three dots in the lower right corner and select the Slido option to open the feature.







Today's materials will be posted to

www.nyserda.ny.gov/iscrfp

If technical problems arise, please contact

john.necroto@nyserda.ny.gov

AGENDA

Agenda:

- Introductions
- Program Overview
- ISCRFP25-1 Schedule and Requirements
- ISC Standard Form Agreement
- Bid Proposal Evaluation
- Program Manual & Peer Review Process
- Application Submission Information
- Q&A

Presenters:

- **Georges Sassine, SVP**
  Large-Scale Resources
- **Seth Dunn, Assistant Director**
  Bulk Energy Storage
- **Bram Peterson, Assistant Director**
  Large-Scale Resources
- **Abigail Randall, Project Manager**
  Large-Scale Resources
- **Aaron Rudyan, Associate Counsel**
  Large-Scale Resources
- **Ryan Hicks, Project Manager**
  Bulk Energy Storage
- **Pawan Munshi, Senior Project Manager**
  Bulk Energy Storage

New York is an emerging hub for battery and energy storage technologies and NYSERDA is investing in their development and deployment.

As we continue to choose renewable energy and electrify our buildings and transportation, adding energy storage to the electric grid will allow affordable clean energy to be available when and where it is needed most.

Types of Energy Storage:

Residential

Primarily used for at-home back-up power, these systems can also shift energy use to “off-peak” hours and integrate onsite solar panels for a low-cost residential clean energy system.

Commercial

Businesses and institutions can install larger storage systems to pair with solar, provide back-up power, and even earn compensation from their utilities.

Bulk

These grid-connected storage projects help utilities integrate more renewable energy sources to our power supply while ensuring grid resilience and reliability.

WHY BULK ENERGY STORAGE (BES) IN NEW YORK

Benefits to NYS

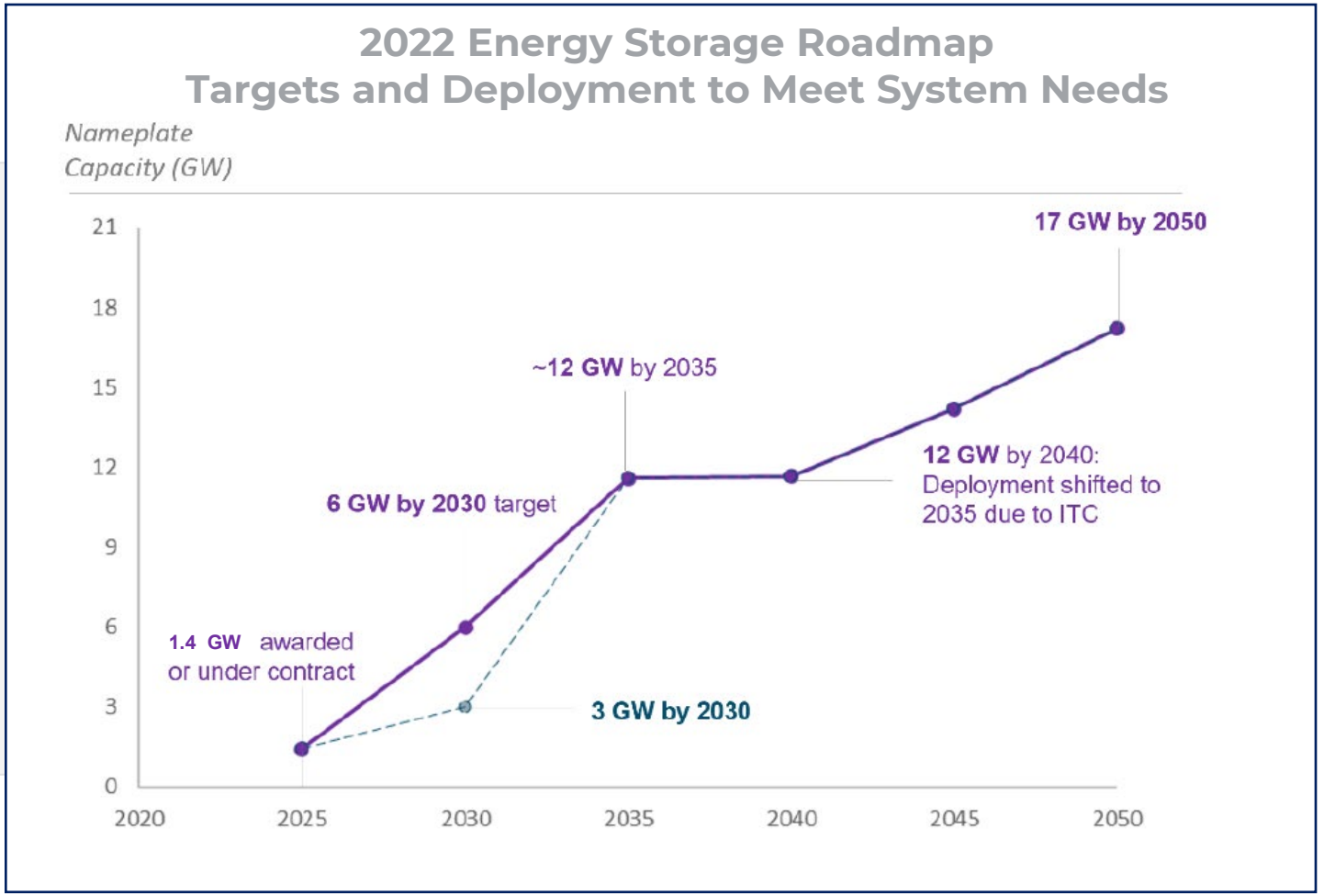
Support grid reliability

Enable peaker retirements

Facilitate renewables penetration

Lower system costs

Encourage economic development



Near-term deployment of bulk energy storage systems imperative for grid resiliency and energy affordability.

NYSERDA BES PROGRAM

A Brief History

Recommended in Dec ‘22 Energy Storage Roadmap

Authorized in Jun ‘24 Energy Storage Order

Implementation Plan approved/finalized Mar/Apr ‘25

Program Manual filed Jun ‘25

Conduct 3 solicitations, at least annually

Utilize Index Storage Credit mechanism

Incorporate Fire Safety Working Group recs

Program to deploy 3 GW by 2030, more than twice NY's operating + pipeline capacity.

FIRE SAFETY UPDATE

July 25 – NY Fire and Building Code Council votes to adopt updated BESS fire safety regs

Changes part of broader updates to NYS Uniform Fire Prevention and Building Code

Language incorporates recommendations of Fire Safety Working Group including:

- ✓ Mandatory independent peer review
- ✓ Required Emergency Response Plans
- ✓ Site-specific training for local fire departments

NYS positioned to lead on BESS fire safety

UPDATES FROM DRAFT ISC RFP & SFA

NYSERDA issued a draft version of ISCRFP25-1 and Standard Form Agreement (SFA) on May 13, 2025, to inform the final, issued RFP and SFA. Notable updates to the issued RFP include:

Schedule: Bid submission deadlines adjusted to December/January 2026.

Eligibility: Revised eligibility requirements re: project construction status and technology readiness level (TRL) for 8+ hour projects.

Alternate Bids: Component Cost Index Adjustment (CCIA) optional alternate bid revised, with process for non-lithium-ion projects to propose a formulaic adjustment.

Minimum Thresholds: Revised eligibility threshold for 8+ hour projects based on technology readiness, revised development and operating experience threshold.

Evaluation: Confirmed values for price and economic benefits evaluation, minor adjustments to price evaluation formula terms.

Contracting: Multiple revisions to key SFA provisions.

NYSERDA strongly recommends that Proposers review the SFA and all associated Exhibits prior to participating in ISCRFP25-1.
The Agreement is a legally binding document.

ISCRFP25-1 Schedule and Requirements

ISCRFP25-1 BACKGROUND

What is an ISC?

With the release of ISCRFP25-1, NYSERDA seeks to procure Index Storage Credits (ISCs) from bulk energy storage Projects in New York.

ISCs are a market-based mechanism to provide project owners with greater revenue certainty by indexing the purchase price of the ISC to wholesale market energy and capacity prices.

1 ISC = 1 MWh of discharge capability per day.

How will NYSERDA procure ISCs?

ISCRFP25-1 will be implemented through a two-step process:

1. Step One Eligibility Application
2. Step Two Bid Proposal
   a. Non-Price Phase
   b. Price Phase

Once Proposers are provisionally awarded, they begin the process for ISC Standard Form Agreement finalization.

Contracted projects do not receive payment for ISCs until the project is operational.

All ISCRFP25-1 documents are available on the Bulk Energy Storage Program website (https://www.nyserda.ny.gov/iscrfp) and Solicitation website (https://nyserdaiscrfp.accionpower.com/).

RFP SCHEDULE

June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 2026	Feb. 2026

Proposers

- RFP Issued **July 28**
- Step One Application Open **July 28 – Sept. 4**
- NOQ **Sept. 18**
- Step Two, Non-Price Phase Open **Sept. 18 – Dec. 11**
- Step Two, Price Phase Open **Dec. 12 – Jan. 29**
- Award **Q1 2026** Contract **Complete by end of Q2 2026**
- Edits to SFA Open **July 28 – Oct. 1**
- Bid Fee Due **Dec. 10**

NYSERDA

- NYSERDA Draft RFP Comment Review
- Proposer's Webinar **Aug 13**
- NYSERDA Step One Review **Sept. 4 - 18**
- NYSERDA Edits SFA **Oct. 1 – Nov. 5**
- NYSERDA Bid Evaluation & Specialist Review **Dec. 12, 2025 – Feb. 2026**
- NYSERDA answers written RFP questions **July 28 – Oct. 22**
- NYSERDA Award & Contracting

Review RFP Section 1.3 for a full schedule.

KEY PROGRAM ELEMENTS – ELIGIBILITY

Proposers are eligible to apply for an award under this RFP if the proposed Project meets the following key eligibility criteria:

- Project must utilize storage technology that is electrical, chemical, mechanical, or thermo-electric.
- Project must store energy for electrical discharge to the grid at a later time.
- Project must have a minimum capacity of 5 megawatts alternating current (MWac) power.
- Project must be electrically interconnected in New York State to the transmission, sub-transmission, or distribution system (i.e. not behind-the-meter).

Other eligibility considerations:

- Projects that are receiving NYSERDA Innovation funding or that receive financing from NYGB are eligible if the Projects meet the RFP eligibility requirements.
- Projects proposed in communities with active energy storage moratoria are eligible to participate.

Review RFP Section 2 for full details on program eligibility.

KEY PROGRAM ELEMENTS – ELIGIBLE STORAGE TECHNOLOGIES

< 8-hour Bid Storage Duration	≥ 8-hour Bid Storage Duration
Technology must have been previously Commercially Deployed* and electrically interconnected to a transmission, sub-transmission, or distribution system.	Technology must have achieved a Technology Readiness Level 8 (TRL8)**, which generally indicates commercial readiness, and has an installed, working example that is technologically identical or near identical to the proposed development of 1 MWac or greater.

*Commercially Deployed is defined as an energy storage technology that has been previously deployed beyond the pilot and demonstration stages and has entered and remained in commercial operation for at least 1 year.

** TRL is defined as a measure of the maturity level of a technology. TRL8 indicates that the technology development is completed and qualified for commercial roll-out through pilot and demonstration projects. The technology has been proven to work in its final form and under expected conditions, and the full-scale system has been fully integrated into an operational environment.

Review RFP Section 2.1.2 for full details on eligible storage technologies.

KEY PROGRAM ELEMENTS – INELIGIBILITY

Proposers are ineligible to apply for an award under this RFP if the Project is:

- Currently receiving New York energy storage incentives, including:
  - A contract under NYSERDA's Market Acceleration Bridge Program
  - An active Tier 1 REC or OREC contract or provisional award that includes an energy storage component and has not been appropriately adjusted
  - A contract with the Utility Bulk Dispatch Rights Program
  - NYSERDA's Residential and Retail Storage Incentive
  - Value of Distributed Energy Resources (VDER)
- Behind-the-meter or represents aggregated behind-the-meter resources
- Operational

Review RFP Section 2.1.1 for full details on program ineligibility.

KEY PROGRAM ELEMENTS – TARGETS AND CAPS

Overall procurement targets across all 3 bulk energy storage procurements.

Geographic Targets
35% minimum in NYISO Zones G – K 30% in Zone J 5% in Zones G, H, I, and/or K

Bid Storage Duration Targets and Caps	
<8 hour duration	**≥8 hour duration**
10% cap on 2-hour resources	20% target LDES resources*

*Flexibility to allocate procurement volume to shorter duration projects if a solicitation does not attract at least 20% viable LDES Bids

Review RFP Section 2.2 for full details on storage procurement targets and caps.

KEY PROGRAM ELEMENTS – CONTRACT TENOR AND IN-SERVICE REQTS.

Maximum Contract Tenor	
Lithium-ion Projects	**Non-lithium-ion Projects**
15 years	25 years

In Service Requirement
All Projects must be capable of completing construction and being placed in-service by **December 31, 2030**. Proposers will demonstrate that they can meet the in-service requirement as part of their Step Two Bid Proposal.

Review RFP Sections 2.1.4 and 2.1.5 for full details on contract tenor and in-service date.

ALTERNATE BID PROPOSALS

Proposers may submit an Alternate Bid Proposal, which is a Proposal that:

1. Modifies the Bid Power Capacity of the Base Proposal
2. Modifies the Bid Storage Duration of the Base Proposal, and/or
3. Utilizes the Component Cost Indices Adjustment (CCIA) mechanism.

Key considerations for Alternate Bids:

- The Base Proposal is the Proposal with the greatest Bid Power Capacity (MW)
- Proposers may submit a maximum of three Alternate Bid Proposals with one Base Proposal
- Proposers may indicate in their Step One Eligibility Application their intent to submit Alternate Bid Proposals
    - There will be the opportunity to revise, remove, and/or add Alternate Bids in Step Two

Review RFP Section 2.5 for full details on alternate bid proposals.

COMPONENT COST INDICES ADJUSTMENT

CCIA allows Strike Price to be subject to a one-time adjustment to reflect changes in a pre-determined price index, using the following formula:

$$ISC_{adj} = ISC_{orig} \times \left(0.80 \left(0.31 \left(\frac{Index_{T,Con}}{Index_{B,Con}} \right) + 0.09 \left(\frac{Index_{T,Steel}}{Index_{B,Steel}} \right) + 0.07 \left(\frac{Index_{T,EPSTM}}{Index_{B,EPSTM}} \right) + 0.21 \left(\frac{Index_{T,Cons\ Mat}}{Index_{B,Cons\ Mat}} \right) + 0.32 \left(\frac{Index_{T,Batt\ Man}}{Index_{B,Batt\ Man}} \right) \right) + 0.20 \left(\frac{Fixed}{Fixed} \right) \right)$$

ISC_{adj}	Strike Price after component cost adjustment, subject to a 12% cap and floor
ISC_{orig}	Original Strike Price submitted with the Proposal
T	Average of Index in the 6 months before Full Notice to Proceed
B	Average of Index of the most recently available 6 months of data published before the Price Submission deadline, which will be published by NYSERDA on the solicitation website
$Index_{Con}$	Construction value, using the Bureau of Labor Statistics' new nonresidential building construction in the Northeast Producer Price Index, Data Series PCU2365002365001
$Index_{Steel}$	Steel value, using the Bureau of Labor Statistics' steel product manufacturing from purchased steel Producer Price Index, Data Series PCU33123312
$Index_{EPSTM}$	Electric Power and Specialty Transformer Manufacturing value, using the Bureau of Labor Statistics' electric power and specialty transformer manufacturing Producer Price Index, Data Series PCU335311335311
$Index_{Cons\ Mat}$	Construction Materials value, using the Bureau of Labor Statistics' construction materials Producer Price Index, Data Series WPUSI012011
$Index_{Batt\ Man}$	Battery Manufacturing value, using the Bureau of Labor Statistics' storage battery manufacturing Producer Price Index, Data Series PCU3359133591
Fixed	Unchanged value reflective of the operating expense share of battery storage costs

Key CCIA Considerations

- This formula is available to lithium-ion Proposers only. Non-lithium-ion Proposers opting to use CCIA may propose a technology-specific formula in Step One
- CCIA is subject to a 12% cap and floor

Review RFP Section 2.5.2 for full CCIA details, including submission instructions for non-lithium-ion Proposers.

Key ISC Standard Form Agreement Provisions

ISC STANDARD FORM AGREEMENT

NYSERDA recommends that Proposers consult with an attorney prior to submitting a Step Two Bid Proposal.

Key SFA Dates:

- **October 1, 2025:** Deadline to propose material changes to the Agreement, accepted via the solicitation website
- **November 5, 2025:** NYSERDA posts the final Agreement

SFA Sections of Note:

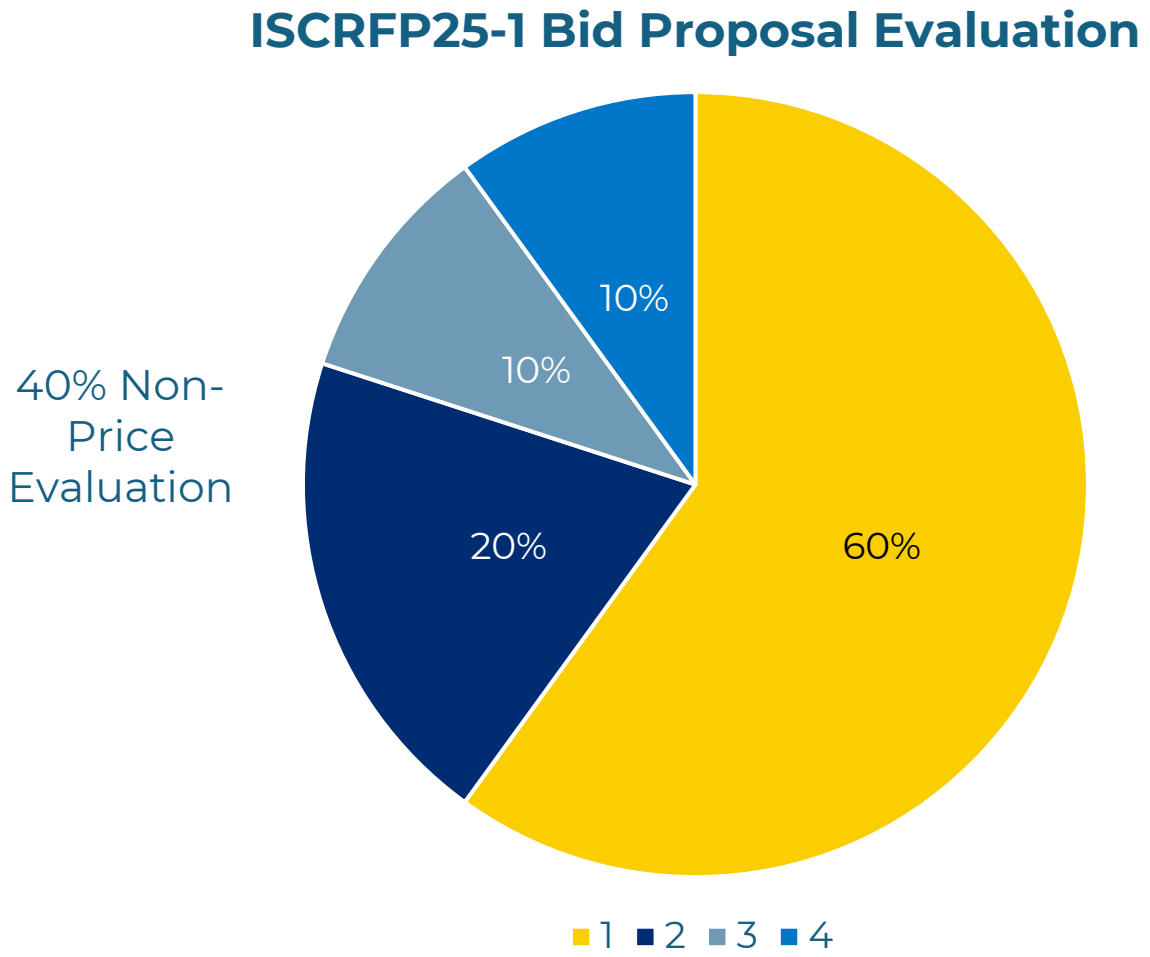
- **Section 4.05.** Changes in Law
- **Section 6.07.** Compliance with Program Manual
- **Section 18.12.** Material Adverse Change

Subject to RFP Section 3.2.4 involving qualifying federal support, NYSERDA does not currently intend to make any material changes to the Agreement and does not currently intend to consider any proposed material changes after posting the final updated Agreement.

Review RFP Section 2.6 for full details on proposing changes to the Agreement.

Bid Proposal Evaluation

BID PROPOSAL EVALUATION



Review RFP Section 3 for full details on price evaluation and Section 4 for full details on non-price evaluation.

SAMPLE ISC SETTLEMENT CALCULATION

Three key steps involved in calculating the monthly ISC settlement:

1. Determining the Monthly Reference Price, which is the sum of the
   i. Reference Energy Arbitrage Price (REAP)
   ii. Reference Energy Capacity Price (RCP)

2. Determining the Monthly Availability Percentage

3. Calculating the Monthly ISC Payment Amount using the Strike Price, Monthly Reference Price and Monthly Availability Percentage

Review RFP Section 3.2.1 for full details on ISC calculations.

SAMPLE ENERGY STORAGE PROJECT

Sample Project	
Storage Type	Li-ion
Bid Power Capacity	100 MW
Bid Storage Duration	4 hours
Round-trip Efficiency (RTE)	0.85
NYISO Zone	A
ISC Strike Price	$100/ISC
Settlement Month	July

This example is for illustrative purposes only and is based on the assumptions stated.

MONTHLY REAP DETERMINATION

Monthly REAP is the simple average of the Daily REAP calculated for each day in the settlement month:

$$REAP_{Daily} = \frac{\sum_{n=1}^{x} max\left(\left[T_n - \left(\frac{B_n}{RTE}\right)\right], 0\right)}{x}$$

$$REAP_{Monthly} = \frac{\sum_{D=1}^{k} REAP_{Daily}}{k}$$

Where:

- **x** is the Bid Storage Duration
- **T_n** are the top (highest) four priced hours ($/MWh) in a given day in the settlement month in Zone A. The subscript "n" is the same as the Bid Storage Duration.
- **B_n** are the four bottom (lowest) priced hours in any given day in Zone A.
- **RTE** is the round-trip efficiency of the energy storage technology and is dictated by the type of technology. In the sample project, the technology being employed is lithium ion, and the RTE is 0.85 for the purposes of the ISC settlement calculation.
- **k** is the number of days in the settlement month, i.e., 31 days in July.

This example is for illustrative purposes only and is based on the assumptions stated.

DAILY REAP DETERMINATION

Date	Hour	Zonal Price
10-July	1	$33.63
10-July	2	$32.89
10-July	3	$33.41
10-July	4	$32.54
10-July	5	$32.24
10-July	6	$31.98
10-July	7	$33.42
10-July	8	$33.42
10-July	9	$33.20
10-July	10	$33.42
10-July	11	$33.42
10-July	12	$33.63

Date	Hour	Zonal Price
10-July	13	$33.63
10-July	14	$33.42
10-July	15	$33.42
10-July	16	$36.09
10-July	17	$37.08
10-July	18	$48.70
10-July	19	$56.37
10-July	20	$53.33
10-July	21	$44.56
10-July	22	$41.53
10-July	23	$32.71
10-July	24	$31.98

The top four highest priced hours are in the green cells

The bottom four lowest priced hours are in the blue cells

This example is for illustrative purposes only and is based on the assumptions stated.

DAILY REAP DETERMINATION

Top Hours	
Zonal Price	
T_1	$56.37
T_2	$53.33
T_3	$48.70
T_4	$44.56

Bottom Hours		
	Zonal Price	B_n/RTE
B_1	$31.98	$37.62
B_2	$31.98	$37.62
B_3	$32.24	$37.93
B_4	$32.54	$38.28

Spreads	
$T_1 - (B_1/RTE)$	$18.75
$T_2 - (B_2/RTE)$	$15.71
$T_3 - (B_3/RTE)$	$10.77
$T_4 - (B_4/RTE)$	$6.28

$$REAP_{Daily} = \frac{\sum_{n=1}^{x} max\left(\left[T_n - \left(\frac{B_n}{RTE}\right)\right], 0\right)}{x}$$

RTE = 0.85
x = 4 (bid storage duration)

On this day, the Daily REAP is:

$$REAP_{Daily} = \frac{(\$18.75+\$15.71+\$10.77+\$6.28)}{4} = \textbf{\$12.88/ISC}$$

This example is for illustrative purposes only and is based on the assumptions stated.

MONTHLY REAP DETERMINATION

The daily calculation is repeated for every day in the settlement month, July.

Date	Daily REAP
1-Jul	$7.65
2-Jul	$11.77
3-Jul	$11.93
4-Jul	$19.81
5-Jul	$4.40
6-Jul	$7.35
7-Jul	$9.61
8-Jul	$8.73
9-Jul	$9.98
10-Jul	$12.88

Date	Daily REAP
11-Jul	$14.33
12-Jul	$8.54
13-Jul	$5.27
14-Jul	$14.61
15-Jul	$20.42
16-Jul	$40.67
17-Jul	$26.46
18-Jul	$29.08
19-Jul	$37.53
20-Jul	$31.53

Date	Daily REAP
21-Jul	$31.15
22-Jul	$36.42
23-Jul	$8.66
24-Jul	$20.60
25-Jul	$8.75
26-Jul	$4.43
27-Jul	$15.09
28-Jul	$15.15
29-Jul	$9.50
30-Jul	$16.29
31-Jul	$7.46

$$REAP_{Monthly} = \frac{\sum_{D=1}^{k} REAP_{Daily}}{k}$$

Monthly REAP =
(7.65 + 11.77 + 11.93 + 19.81 + 4.40 + 7.35 + 9.61 + 8.73 + 9.98 + 12.88 +14.33 + 8.54 + 5.27 + 14.61 + 20.42 + 40.67 + 26.46 + 29.08 + 37.53 + 31.53 + 31.15 + 36.42 + 8.66 + 20.60 + 8.75 + 4.43 + 15.09 + 15.15 + 9.50 +16.29 + 7.46) / 31
= **$16.31/ISC**

This example is for illustrative purposes only and is based on the assumptions stated.

MONTHLY RCP DETERMINATION

The Monthly Reference Capacity Price, RCP, is

$$RCP_{Monthly} = \frac{RUP_{Monthly} \times 1{,}000 \times CAF}{Bid\ Storage\ Duration \times Days\ in\ the\ Month}$$

RUP is the Reference Unforced Capacity Price
CAF is the NYISO Capacity Accreditation Factor

For our sample project, $RUP_{Monthly}$ is $6.77/kW-month and CAF is 0.77

$$RCP_{Monthly} = \frac{\$6.77 \times 1{,}000 \times 0.77}{4 \times 31} = \mathbf{\$42.04/ISC}$$

This example is for illustrative purposes only and is based on the assumptions stated.

MONTHLY ISC DETERMINATION

The monthly ISC Price is

$$ISC\ Price\ =\ Strike\ Price\ -\ Reference\ Price$$

$$=\ Strike\ Price\ -\ REAP_{monthly}\ -\ RCP_{monthly}$$

$$=\ \$100.00/\text{ISC}\ -\ \$16.31/\text{ISC}\ -\ \$42.04/\text{ISC}\ =\ \mathbf{\$41.65/ISC}$$

Proposer bids to NYSERDA**

NYSERDA calculates for settlement

**This example is for illustrative purposes only and is based on the assumptions stated.

MONTHLY AVAILABILITY PERCENTAGE

The monthly availability percentage is

$$Monthly\ Availability\ Percentage = 1 - \frac{Monthly\ Outage\ MWh}{Bid\ Power\ Capacity \times Total\ Monthly\ Hours}$$

For our sample project, the Monthly Outage MWh are 2,400 (the facility is entirely unavailable for an entire day, 100 MW x 24 hours), the Total Monthly Hours are 744 (31 days x 24 hours) and the Bid Power Capacity is 100 MW.

$$Monthly\ Availability\ Percentage = 1 - \frac{2{,}400}{100 \times 744} = \mathbf{0.968}$$

This example is for illustrative purposes only and is based on the assumptions stated.

MONTHLY ISC PAYMENT CALCULATION

The ISC Monthly Payment is

$$ISC\ Monthly\ Payment$$
$$= ISC\ Price \times Bid\ Power\ Capacity \times Bid\ Storage\ Duration \times K \times Monthly\ Availability\ Percentage$$

$$= \$41.65 \times 100 \times 4 \times 31 \times 0.968 = \mathbf{\$499{,}933.28}$$

This example is for illustrative purposes only and is based on the assumptions stated.

Non-Price Evaluation:
Minimum Eligibility Thresholds

MINIMUM ELIGIBILITY THRESHOLDS

Eligibility Component	Minimum Eligibility Thresholds	
	Projects <8 hours Bid Storage Duration	**Projects ≥8 hours Bid Storage Duration**
Storage Technology Commercial Maturity	The proposed Project technology must have been previously Commercially Deployed: 1. With a power capacity of 2 MWac or greater, and 2. Have been electrically interconnected to a transmission, sub-transmission, or distribution system (See Section 2.1.2). The technology does not have to have been previously Commercially Deployed or interconnected in New York State to meet the Storage Technology Commercial Maturity Minimum Eligibility Threshold.	Consistent with the eligibility assessment criteria of a contemporaneous LDES program, Project technology must be considered to have achieved Technology Readiness Level (TRL) 8, including having an installed, working example that is technologically identical or near identical to the proposed development of 1 MWac of greater.
Site Control	Proposer has secured the Project site via executed exclusive project development agreement, executed binding option, executed lease, and/or land purchase for the proposed Project footprint and a reasonable plan for interconnecting to the proposed Project's Point of Interconnection (POI).	

Eligibility Component	Minimum Eligibility Thresholds	
	Projects <8 hours Bid Storage Duration	**Projects ≥8 hours Bid Storage Duration**
Interconnection (varies by duration)	Project 1. Is actively being studied in the 2024 NYISO Transitional Cluster Study (Cluster Study) or through the relevant utility process, or 2. Has accepted all cost allocations pursuant to a prior NYISO Class Year/Facilities Study and is negotiating or has executed an Interconnection Agreement for the project at the proposed Point of Interconnection. For all Projects in the Cluster Study, the Proposer will be required to evidence that the Phase 2 Study Deposit has been paid/posted and the Project has proceeded and is actively included in the Cluster Study Phase 2 Study prior to NYSERDA's execution of a provisionally awarded Agreement.	Proposer must submit a Project Development Plan that demonstrates a reasonable pathway to securing an interconnection agreement within the Project's proposed schedule.
Permitting	Submission of a Project Development Plan, as well as a project schedule in Attachment D. Bid Data Form, that demonstrates the Project as proposed can secure all non-ministerial permits, commence construction, and enter operation by December 31, 2030.	
Safety and Security	Submission of a Safety and Security Screening that demonstrates the Proposer currently has or has a viable pathway to finalize development, construction, inspection, and operation plans that will comply with the NYSERDA Bulk Energy Storage Program Manual and all Applicable Laws.	
Stakeholder Engagement	Submission of a Stakeholder Engagement Plan that evidences the Proposer has been in contact with the host AHJ(s) and has informed the AHJ(s) local elected officials about the Project's participation in ISCRFP25-1.	
Development and Operating Experience	Proposer, or its principals, have developed at least one grid-connected power generation or energy storage project to final investment decision/commencement of construction. The grid-connected power generation or energy storage project evidenced to satisfy this requirement must be at least 10% of the Bid Power Capacity of the proposed Project (e.g., if proposing a 100 MWac Project, the evidenced commercial energy storage project must be equal to or greater than 10 MWac).	

Review RFP Section 4.1 for full details on minimum eligibility thresholds.

MINIMUM ELIGIBILITY THRESHOLDS

A complete Step Two Bid Proposal consists of all required fields in the Step Two Application Form, filled in via the solicitation website, and all supporting documentation.

		Attachment D. Bid Data Form	Attachment E. Project Development Plan	Attachment G. Safety and Security Screening	Attachment H. Stakeholder Engagement
Eligibility Component	Storage Technology Commercial Maturity		X		
	Site Control	X	X		
	Interconnection		X		
	Permitting	X	X		
	Safety and Security			X	
	Stakeholder Engagement				X
	Development and Operating Experience	X	X		

Review RFP Section 4.1 for full details on minimum eligibility thresholds.

LDES ELIGIBILITY

Long-Duration Energy Storage Projects (LDES) are those with ≥8 hour Bid Storage Duration.

Technology Readiness Level 8

≥8 hour Projects must provide evidence in the Step One Eligibility Application that they have met or will meet TRL8* by the Step Two Non-Price deadline.

Proposers are encouraged to use the NYSERDA Technology and Commercialization Readiness Level Calculator for determining TRL.

*TRL8 indicates that the technology development is completed and qualified for commercial roll-out through pilot and demonstration projects. The technology has been proven to work in its final form and under expected conditions, and the full-scale system has been fully integrated into an operational environment.

Storage Tech

The Project technology must have an installed, working example that is technologically identical or near identical to the proposed development of 1 MWac or greater.

Proposers must certify that this threshold has been met or will be met in the Step One Eligibility Application, and they must evidence this is in the Attachment E. Project Development Plan with the Step Two Bid Proposal – Non-Price submission.

Review RFP Section 2.1.2 for details on eligible storage technologies and Section 4.1 for full details on minimum eligibility thresholds.

Non-Price Evaluation:
Project Viability and Maturity

PROJECT VIABILITY AND MATURITY EVALUATION

20% of overall evaluation

Project viability and maturity will be evaluated in the following categories:

Interconnection
Permitting
Safety and Security
Supply Chain and Procurement
Stakeholder Engagement
Development and Operating Experience
Creditworthiness and Financing
Climate Resiliency

- Templates for Attachments corresponding to these categories are included on the solicitation website and on the Bulk Energy Storage Program website for download.

Review RFP Section 4.2 for details on all submission instructions and evaluation details.

INTERCONNECTION

NYISO Cluster Study & RFP Schedule timelines

- 9/4/2025: **Step One Deadline**
- 11/3/2025: **Phase 1 Ends**
- 11/4/2025 – 11/17/2025: **Phase 1 Decision Period**
- 11/18/2025: **Phase 2 Starts**
- 12/11/2025: **Step Two Non-Price Deadline**

In the Att. E Project Development Plan, Proposers must summarize and evidence their:

1. Interconnection status
2. Known or estimated interconnection costs
3. One-line diagram

In the Step Two Non-Price Bid submission, Proposers must evidence:

<8-hour Projects:
Accepted all cost allocations in prior Class Year/Facilities Study OR paid/posted the Phase 2 Study Deposit.

≥8-hour Projects:
Reasonable pathway to securing an IA.

Review RFP Section 4.2.1 for full details on interconnection requirements

PERMITTING AND STAKEHOLDER ENGAGEMENT

Permitting

Demonstrate program eligibility by providing permit documentation and accompanying explanation. If applicable, evidence project maturity by providing materials which exceed minimum eligibility criteria.

- **Attachment D. Bid Data Form:**
  - Summary outlining status of project permits
- **Attachment E. Project Dev. Plan:**
  - Narrative explanation of permit strategy / approach
  - Details concerning timing / challenges related to achieving **2030 COD minimum eligibility threshold**

Stakeholder Engagement

Demonstrate program eligibility by demonstrating notification of AHJ(s) and providing an explanation of stakeholder engagement strategy, efforts and findings.

- **Attachment H. Stakeholder Engagement Plan:**
  - ❿ Narrative explanation of stakeholder engagement strategy / approach
  - ❿ Engagement methods, outreach to-date, findings / outcomes, plan for continued engagement

Applicants in coastal areas are encouraged to begin early engagement of DEC, DOS, and OGS

Non-Price Evaluation:
Electricity System Value

ELECTRICITY SYSTEM VALUE EVALUATION

10% of overall evaluation

Electricity system value will be evaluated in the following categories:

System Reliability and Peaker Displacement Potential
Renewables Integration and Curtailment Reduction Potential

- All Proposers will be evaluated on independent/third-party information demonstrating that the Project can provide electric system value.
- Proposers are encouraged, but not required, to submit additional Project-specific evidence of electric system value in both categories.

Review RFP Section 4.3 for details on all submission instructions and evaluation details.

Non-Price Evaluation:
Economic Benefits

ECONOMIC BENEFITS EVALUATION

10% of overall evaluation

Economic Benefits may be claimed in two categories:

Long-Term Economic Benefits to New York State
Short-Term Economic Benefits to New York State

- Economic Benefits are those that a Proposer can demonstrate:
  (1) will accrue after December 28, 2022, and up to three years following the Project's Commercial Operation Date, and
  (2) would not have accrued but for the issuance of the ISC solicitations or award of a contract under this RFP.
- Within each category, points will be awarded in proportion to the level of eligible claims, normalized across all Projects by dividing each Project's eligible claims by its Bid Energy Capacity ($/MWh).
- Claims associated with disadvantaged communities will receive greater weight in scoring.
- All Economic Benefits must be claimed in Attachment D. Bid Data Form to be evaluated. All claims must also have a narrative summary in Attachment D.
- Appendix A. Incremental Economic Benefits Eligibility details the instructions for submitting Economic Benefits claims, including guidance on eligible claims. Only eligible claims will be considered in evaluation.

Review RFP Section 4.3 for details on all submission instructions and evaluation details.

Bulk Energy Storage Program Manual

PROGRAM MANUAL - PEER REVIEW PROCESS

The Peer Review Process is required by NYSERDA for all Battery Energy Storage Systems (BESS) that exceed threshold capacity > 600kWh.

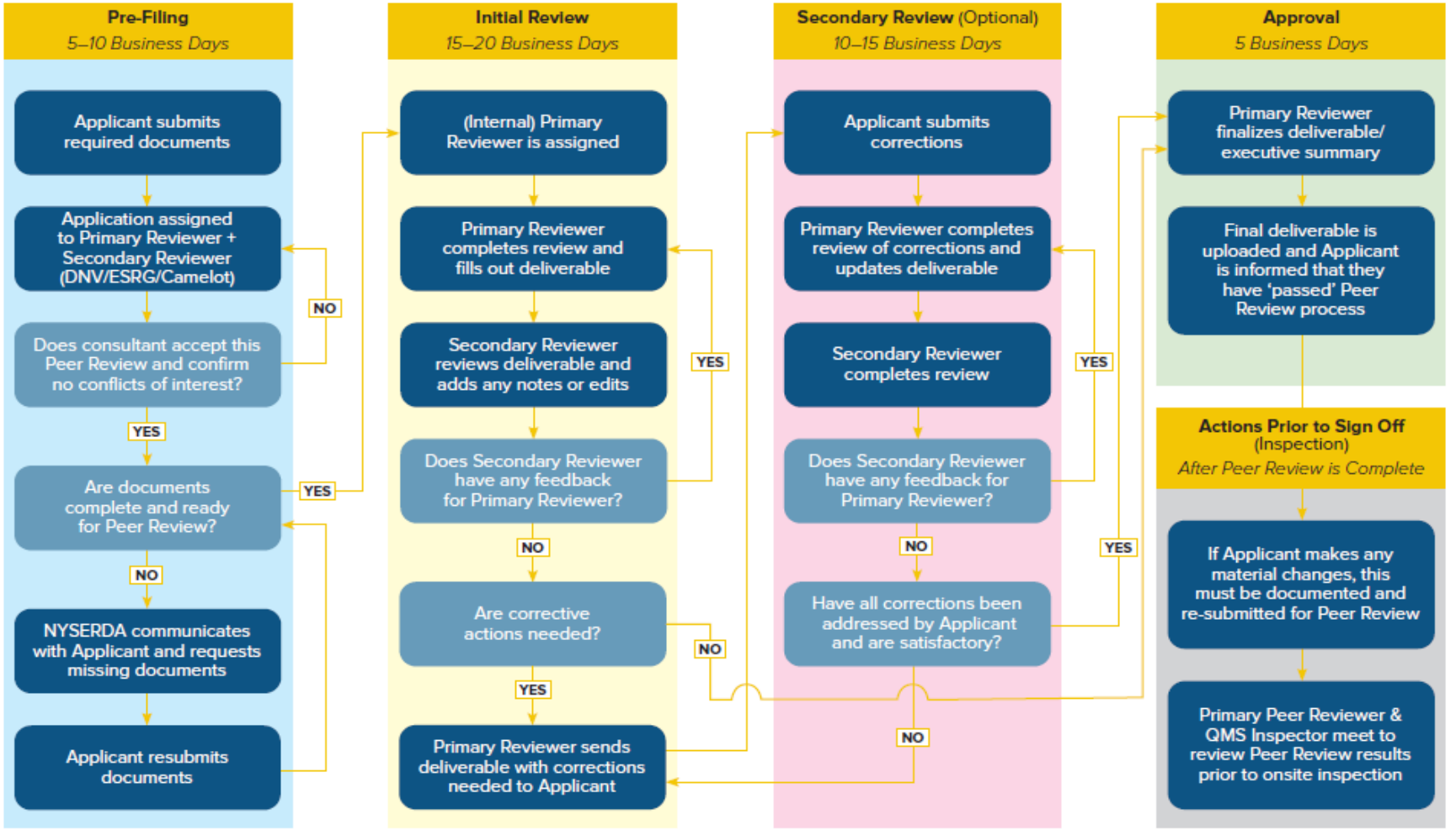
- Conducted by vetted, qualified experts to ensures compliance with safety, design and code compliance before construction begins.
- **Key Steps:**
  - **Phase 1 –** Pre-Filing: Process begins with document submission. Peer Review Team (PRT) assesses completeness of application.
  - **Phase 2 –** Initial Review: Detailed Peer Review occurs with quality checks to ensure that Peer Review report is fair, correct, and consistent. PRT sends feedback to the Proposer, as needed.
  - **Phase 3 –** Secondary Review: Proposer corrects deficiencies noted by PRT and submits revised documentation.
  - **Phase 4 –** Approval: PRT approves Proposers materials and generates Peer Review Report.

If a Proposer intends to proceed with construction of the BESS system, they must contact NYSERDA to initiate the Peer Review Process as soon as possible.

Peer Review Process Map

For Energy Storage Developers

NEW YORK STATE | NYSERDA
New York State Energy Research and Development Authority



These example timelines are based on a mature system design and assume minimal response or revision cycles. Actual timelines may differ.
We recommend that proposers plan for at least 45-60 business days to complete this process

PROGRAM MANUAL - QUALITY ASSURANCE (QA) PROCESS

The Quality Assurance Process is initiated after Peer Review milestone and substantial project completion. QA ensures that the commissioned system meets applicable code requirements and high safety and performance standards

- **Key Steps:**
  - **Pre-QA Inspection:** Prior to scheduling the QA Inspection, the Proposer submits required documentation to NYSERDA or QA contractor.
  - **QA Inspection**: Following the review of the Pre-QA Inspection documents, a field inspection is scheduled and conducted by NYSERDA & QA contractor
  - **Operational Certification:** Proposer must complete NYSERDA's Operational Certification process post-QA Inspection.

All Corrective Action Requests resulting from the QA Inspection or major non-conformances must be addressed by the Proposer before NYSERDA can approve the QA Inspection milestone.

PROGRAM MANUAL - MEASUREMENT AND VERIFICATION

Measurement and Verification occurs after a facility's Operational Certification.

- All Projects receiving ISC payments must utilize a revenue grade meter to record the net energy charged and discharged (MWh).
- All meter data, including POI meter data, should be transferred to NYSERDA's M&V team or its representative to prevent data loss.

Metering data will not be used to calculate Operational Availability. Instead, that calculation will be based on the Monthly Availability Report as described in Section 8.2 of the ISC Agreement

Application Submission Information

APPLICATION SUBMISSION REQUIREMENTS

	Bid Power Capacity (MW)	Bid Fee
Bid Fees	5 – 99.9 MWac	$100 per 1 MWac
	≥100 MWac	$10,000

Step One Requirements Due Sept. 4, 2025, by 3pm	Step Two Requirements	
	Non-Price Phase	**Price Phase**
• Complete Step One Eligibility Application, submitted via the solicitation website • Signed EO 16 Form • Signed EO 192 Form • For Projects ≥8-hour Bid Storage Duration: Evidence of TRL8, as described in Section 2.1.2. • For non-lithium-ion CCIA Proposers: CCIA formula proposal, as described in Section 2.5.2.	• Complete Step Two Bid Proposal, submitted via the solicitation website • Attachment B. Public Project Summary • Attachment C. Executive Summary • Attachment D. Bid Data Form • Attachment E. Project Development Plan • Attachment F. Supply Chain and Procurement Plan • Attachment G. Safety and Security Screening • Attachment H. Stakeholder Engagement Plan • Attachment I. Creditworthiness and Financing Plan • Attachment J. ISCRFP25-1 Non-Disclosure Agreement • Shapefiles of the Project footprint and parcel boundaries • All applicable permitting documentation • Management Chart • Resumes of Key Personnel • Proof of Bid Fee payment	• Strike Price, submitted via the solicitation website • Updated project cost assumptions, if applicable (via Attachment D. Bid Data Form)

Review RFP Section 2 for details on all submission requirements and review RFP Section 5.2 for Bid Fee information.

Questions?

Submit questions via the Q&A function in WebEx.

Proposers and non-Proposers may send questions to **bulkstorage@nyserda.ny.gov** or submit them via the Q&A tab on the solicitation website.

Solicitation website: **nyserdaiscrfp.accionpower.com**

All RFP information is available at **nyserda.ny.gov/iscrfp**