Brief on 2021 Bulk Energy Storage RFP

September 28, 2022
2021 Bulk Energy Storage RFP Summary

- RFP Issued on April 30, 2021 – 175 MW sought for 2025 commercial operation
- 78 Proposals (totaling > 3,300 MW) received by July 30, 2021
  - 57 project proposals
  - 21 operation & maintenance proposals
- 9 Proposals were deemed non-responsive, plus 1 withdrawn
  - Material omissions
  - Did not offer/maintain firm pricing
- 5 Proposals (totaling 329 MW) selected for contract negotiation
2021 Bulk Energy Storage Evaluation Process

**Phase I: Categorize, Summarize & Check Proposal Contents against RFP Requirements**

- Selection of Semi-Finalist Proposals to proceed in Phase III

**Phase II: Initial Qualitative & Quantitative Evaluation of Individual Proposals**

- Determine Phase III Proposal Overall Rankings
- Best and Final Offers
- Perform Portfolio Analysis
- Selection of Finalist Proposals for contract negotiations

All qualitative and quantitative ratings, rankings, and selections were determined by consensus of the Selection Committee.
Examples of Qualitative Criteria:

- Conformance with LIPA’s technical specifications
- Development and schedule risk
- Site control
- Ability to permit the Project
- Community acceptance
- Environmental impacts
- Ability to meet the target COD
- Exceptions to LIPA’s standard contract terms, if any
- Financial plan and qualifications
- Respondent’s experience
- Equipment selection and warranties
- Feasibility, timing and cost of electric system interconnections and upgrades
- Benefits to disadvantaged communities
- Consistency with LIPA’s resource planning objectives, including enabling the retirement of peaking units and integration of offshore wind
Net Levelized Cost ($/MWh)

Projected Market Revenues and Avoided Costs

Modeled Operation (Charge & Discharge MWh)

As-Bid Fixed & Variable Costs
2021 Bulk Energy Storage RFP

Quantitative Rank in Net Levelized $/MWh

Proposal Quantitative Rank
- Green: Selected for contract negotiation
- Gray: Semi-finalist proposals not selected

2021 Bulk Energy Storage Evaluation Process
### 2021 Bulk Energy Storage RFP Proposals Selected for Contract Negotiations

<table>
<thead>
<tr>
<th>Capacity (MW)</th>
<th>Point of Interconnection</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Brookhaven Substation</td>
</tr>
<tr>
<td>50</td>
<td>Brookhaven Substation</td>
</tr>
<tr>
<td>50</td>
<td>Shoreham Substation</td>
</tr>
<tr>
<td>79</td>
<td>Kings Highway Substation</td>
</tr>
<tr>
<td>50</td>
<td>West Babylon Substation</td>
</tr>
</tbody>
</table>
• Contract negotiation

• NYISO interconnection process

• Environmental review (SEQR)

• Board of Trustees consideration of acceptable contracts – 2023

• Not all projects selected for contract negotiation may be awarded contracts; however, contract negotiations will likely result in 175mw+ of projects