

Section 83E
Request for Proposal
Appendix A – Bidder Response Form

Application Form

Bidder Information

Bidder: Dartmouth Energy Storage LLC

Contact: XXX

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Phone: XXX

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Instructions for Distribution Project Bid Packages

As described in Section 1.7.3, bidders may submit multiple Distribution Project proposals as part of a bid package that could include common aspects for each bid (e.g. bidder experience). Even though there may be common bid aspects, each project proposal shall be considered separately.

For these Distribution Project packages, bidders should submit one copy of Appendix A: Bidder Response Package that provides information for the common aspects of the bid package. These common aspects are described below, both as to the RFP and the Appendix A. Bidders should only provide multiple versions of specific Appendix A subsections, as required, for each individual project.

For example, if a bidder has one Transmission Project (Project A) and three distribution projects (Projects B, C, D), the Bidder should submit one complete Bidder Response Form for Project A, one Bidder Response Form with all Common Distribution responses for Project B, C, and D, and individual Bidder Response subsections for each Project B, C, and D.

Stage 1 – Eligibility, Threshold, and Other Minimum Requirements	Distribution Project versus Transmission Project
2.2.1.1 Eligible Project Size	Minimum bid size greater than 1MW; Bidders may submit multiple projects (i.e. a portfolio of projects) which must clearly define each project size; Bidders submitting multiple Distribution Projects can make any of their Distribution Projects contingent upon other proposals within this solicitation. Bidders may not submit proposals that are positively contingent on circumstances outside the acceptance of a proposal in this solicitation (e.g., proposals accepted in solicitations in other states). Bids cannot be contingent on prior approved long-term contracts.
2.2.1.2 Eligible Commercial Operation Date and Other Requirements	SMART projects are not eligible to participate in this solicitation; projects must enroll in the interconnecting Distribution Company's Wholesale Distribution Tariff; projects must enroll in the Operational Parameters for Energy Storage Systems Tariff; COD requirement same as Transmission
2.2.1.3 Pricing Requirements	Conforming Forms of Pricing See requirements for Environmental Attribute LTCs
2.2.1.4 Bidder Disclosure of Affiliations and Affiliate Relationships	Same requirements as Transmission projects
2.2.1.5 Contract Term	Same requirements as Transmission projects
2.2.1.6 Capacity Requirements	Distribution Projects must include a commitment to take the steps outlined in the ISO-NE tariff to screen for and, if applicable, establish equivalent Capacity Network Resource Capability.
2.1.1.7 Delivery Requirements	Same requirements as Transmission projects
2.2.1.8 Interconnection Requirements	Distribution Project proposals must include a commitment to take the necessary steps to qualify for equivalent Capacity Network Resource Capability, as defined by ISO-NE. I.3.9 approval needed or describe why approval is not necessary.

	All technical reports or system impact studies should approximate the ISO-NE interconnection process, including but not limited to clear documentation of study technical and cost assumptions, reasoning, and justification of such assumptions. Same requirements as Transmission projects as applicable
2.2.1.9 Proposal Completeness: Bidder Response Forms, Form LTCs, and Form MOU	Bidders of Distribution Projects will be provided a standard form long-term contract that will not be negotiable.
2.2.1.10 Bid Fees	Same requirements as Transmission projects
2.2.2.1 Facilitate Financing of Energy Storage Systems	Same requirements as Transmission projects
2.2.2.2 Site Control and Other Agreements	Same requirements as Transmission projects
2.2.2.3 Technical and Logistical Viability	Same requirements as Transmission projects
2.2.2.4 Ability to Finance the Proposed Project	Same requirements as Transmission projects
2.2.2.5 Bidder Experience	Same requirements as Transmission projects
2.2.2.6 Providing Enhanced Electricity Reliability within the Commonwealth	Same requirements as Transmission projects
2.2.2.7 Abandonment Costs	Same requirements as Transmission projects
2.2.2.8 Adequately Demonstrate Project Viability in a Commercially Reasonable Timeframe	Same requirements as Transmission projects
2.2.2.9 Contribution to Employment; Economic Development Benefits	Same requirements as Transmission projects
2.2.2.10 Utilizing an Appropriate Tracking System to Account and Enable for GWSA Goals	Same requirements as Transmission projects
2.2.2.11 Discussion of Safety Plan and Environmental Assessment	Same requirements as Transmission projects
2.2.2.12 Benefits to Environmental Justice Populations and Low-Income Ratepayers in the Commonwealth, and Transitioning Fossil Fuel Communities	Same requirements as Transmission projects
2.2.2.13 Diversity, Equity and Inclusion	Same requirements as Transmission projects
2.2.3 Security Requirements	Same requirements as Transmission projects
2.2.4 Unreasonable Balance Sheet Impacts	Same requirements as Transmission projects
2.2.5 Shifting of Risks in Long-Term Contracts	Distribution Projects will not be provided the opportunity to mark-up or negotiate the Long-Term Contracts

Section A-1: Certification, Project, and Pricing Data

The Certification, Project and Pricing Data (“CPPD”) document is a Microsoft Excel workbook that is provided on the website at www.MACleanEnergy.com. Each Transmission Project and Distribution Project submitted by bidder must include a unique, accompanying CPPD document.

Section A-2: Executive Summary of the Proposal

The bidder is required to provide an executive summary of the project proposal that includes a complete description of the proposed Energy Storage System bid, the proposed contract term and pricing schedule, interconnection plan, the overall project schedule and other factors the bidder deems to be important. A table summarizing proposal(s) including details such as storage project location, interconnection location(s), capacity (MW), duration (hours), projected annual average CPECs or Environmental Attributes (if applicable), energy storage technology to be deployed, commercial operation date, pricing (e.g., \$/CPEC, \$/environmental attribute, \$/MWh), etc. is encouraged. Bidders submitting multiple Transmission Projects or Distribution Projects must provide an executive summary for each project. Enter appropriate explanation in this space or reference applicable attachment(s)

Dartmouth Energy Storage LLC (the “**Bidder**”), the project company for Dartmouth BESS (the “**Project**”), a Delaware limited liability company, is a wholly owned, indirect subsidiary of PowerTransitions Parent LP. The Bidder submits the Project, a 220 MW / 880 MWh (4-hour) lithium iron phosphate (LFP) battery energy storage system to be developed on an approximately 15.5-acre portion of Tax Parcel 67-9 at 1 Energy Road, Town of Dartmouth, Bristol County, Massachusetts (SEMA load zone). The parcel is owned in fee by Dartmouth Power Associates Limited Partnership (“**DPA**”), a Massachusetts limited partnership and wholly-owned affiliate of the Bidder, which also owns the existing dual-fuel generating facility on the same parcel (the “**Dartmouth Power Plant**”). The Project is a Transmission Project that plans to interconnect to the ISO-NE transmission system at the existing 115kV High Hill substation with an approximate 2.82-mile generation-tie and achieve capacity deliverability to the Pool Transmission Facilities (PTF) network at a level equivalent to the Capacity Capability Interconnection Standard (CCIS).

The Bidder is pleased to submit our bid into the Clean Peak Standard (CPS) CPEC track. The Project is scheduled to commit more than XXX million investment into Bristol County, MA over the next three years. In addition to a capital investment of approximately XXX million, this project provides grid reliability and operational benefits to a transmission constrained area. As the Selection Committee is aware, Southeastern Massachusetts (SEMA in ISO-NE) is home to many existing solar and new offshore wind. The location of this project is ideal for shifting delivery of those resources and potentially bringing affordability benefits.

Additional Project specifics include: a standalone, front-of-the-meter energy storage resource sited on approximately 15.5 acres of a larger 28.2-acre industrial parcel that already hosts the Dartmouth Power Plant, an operating dual-fuel generation facility. The Project plans to reuse a developed, grid-connected industrial site rather than greenfield land, delivering dispatchable clean peak capacity into the transmission-constrained SEMA/southeastern Massachusetts load area. The Project will participate in the ISO-NE day-ahead and real-time energy markets, the Forward Capacity Market, and eligible ancillary services (regulation and spinning reserves), while meeting its CPS discharge obligations during seasonal and monthly Clean Peak windows.

Consistent with the reliability threshold requirements of the RFP, the Project will not commit its capacity to any control area other than ISO-NE for the duration of the Long-Term Contract.

Commercial operation of the Project is targeted for December 31, 2029.

Project Summary:

- **Project name:** Dartmouth Energy Storage
- **Project location:** 1 Energy Road (Tax Parcel 67-9), Dartmouth, Bristol County, Massachusetts (SEMA)
- **Project type:** Transmission Project (delivers to ISO-NE PTF at CCIS-equivalent); CPEC track
- **Interconnection location:** 115kV High Hill Switchyard
- **Capacity (MW) / Duration (hr):** 220 MW AC / 4-hour
- **Storage energy (MWh):** 880 MWh AC
- **Technology:** Lithium iron phosphate (LFP) BESS — Canadian Solar e-STORAGE SolBank 3.0 (CSI-SolBank-S-5016-4h-NA) battery system / SMA Sunny Central Storage UP-XT-US
- **Projected annual CPECs:** 750,753
- **Commercial operation date:** December 31, 2029
- **Pricing (\$/CPEC):** XXX
- **Contract term:** 20 years commencing on the Commercial Operation Date (December 31, 2029)

Section A-3: Operational Parameters and Operational Schedule

Please answer the following questions in Section A-3 for each Transmission Project and Distribution Project being bid. If developing the project in phases, please break out information for each phase.

3.1 Energy Storage System Operations Project Summary – Please provide the following:

- i. Identify if New or Existing Facility, or an upgrade to Existing Facility:*
The Project will be a new Battery Energy Storage System (BESS) facility, including a new substation for the Project.
- ii. Technology Type (e.g., mechanical, chemical, thermal):*
Chemical.
- iii. Technology Description (e.g., battery chemistry, thermal storage medium):*
The Project is a BESS using Lithium Iron Phosphate (LFP) technology.
- iv. Point of Interconnection Deliverability Restrictions (if any):*
No deliverability restrictions have been identified based on the current project design and interconnection assumptions. The project will interconnect at the High Hill 115 kV Switchyard, a PTF facility owned by Eversource (NSTAR Electric). The EPE CCIS-equivalent and NCIS-equivalent studies confirm full 220 MW deliverability at High Hill after completion of the identified network upgrades, which are included in the bid price.
- v. Nameplate MW AC (at 100% project completion):*
220 MW
- vi. Net Contract MW AC (at 100% project completion):*
220 MW
- vii. Charge rate (MW):*
220 MW
- viii. Discharge rate (MW):*
220 MW
- ix. Storage Energy (MWh):*
880 MWh nominal, 892.9 MWh available at Beginning of Life (BOL)
- x. Discharge Duration at Full-Rated Capacity (hours):*
4 hours
- xi. Charging Efficiency (%):*
92.59%
- xii. Discharging Efficiency (%):*
92.59%

xiii. Round Trip Efficiency (%):

Year	System RTE
0	87.50%
1	87.37%
2	87.24%
3	87.11%
4	86.98%
5	86.85%
6	86.72%
7	86.59%
8	86.46%
9	86.33%
10	86.20%
11	86.07%
12	85.94%
13	85.81%
14	85.68%
15	85.55%
16	85.42%
17	85.29%
18	85.16%
19	85.03%
20	84.90%

xiv. Other Characteristics of your system, including, if applicable, but not limited to: Depth of Discharge (%), Full Duty Cycle, etc.:

Depth of Discharge: 97%

xv. Max/ Min cycles per year, season, and per day:

Expected Cycles: Approximately 1 equivalent full cycle per day.

Maximum Cycles: Up to 365 equivalent full cycles per year.

Minimum Cycles: No minimum operational requirement has been established. Actual cycling will depend on market conditions, system needs, and operational requirements.

3.2 Describe the operation of the proposed Energy Storage System: (i.e. run hour limitations, ramp rates, spinning reserves, regulation up, regulation down). Please provide proposed operational management terms that memorialize the operational commitments of the facility.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will consist of a 220 MW / 880 MWh BESS capable of providing up to four hours of continuous charge and discharge at its rated output of 220 MW. The Project is designed to support multiple charge and discharge cycles per day, with an expected average utilization of one full cycle per day, subject to market conditions, system needs, and operational requirements.

The Project will be operated through an Energy Management System (EMS) capable of responding rapidly to dispatch instructions and grid conditions. The Project will meet or exceed applicable ISO-NE (ISO-NE) performance requirements and will participate in wholesale electricity markets in accordance with ISO-NE Market Rule 1 and applicable Operating and Planning Procedures.

The Project's maximum charge or discharge ramp rate can be as fast as 200 MW per second, although operational ramp rates will be managed to support gentle ramp-up and ramp-down into and out of the grid. The Project will have the capability to modulate output continuously across its operating range in response to ISO-NE dispatch signals, frequency regulation requirements, and system reliability needs.

The Project will implement operational management procedures to ensure compliance with all applicable ISO-NE, utility, interconnection, safety, and environmental requirements. These procedures will govern dispatch operations, state-of-charge management, outage coordination, maintenance scheduling, reserve availability, and adherence to market participation rules. The facility will be operated in a manner that supports grid reliability, renewable energy integration, peak demand reduction, and the objectives of the Massachusetts Clean Peak Energy Standard.

3.3 Describe the location of the Energy Storage System, in terms of:

i. The anticipated interconnection point

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will interconnect to ISO-NE Pool Transmission Facilities at the High Hill 115 kV switching station in Dartmouth, owned by Eversource (NSTAR Electric). The Bidder will request Capacity Network Resource Interconnection Service for the full 220 MW in ISO-NE's current Cluster Request Window, with a target filing date of October 27, 2026. Section A-6 describes the interconnection in detail.

ii. The value of the relative proximity of the system to large loads and/or any clean energy generation facility, including any decreased risk of curtailment and/or deferred investment for the generation facility

Enter appropriate explanation in this space or reference applicable attachment(s)

Large loads. The site lies between New Bedford and Fall River, the two largest cities on the SouthCoast. Roughly 197,000 people live within five miles of the site and roughly 575,000 within ten miles. Delivering stored energy at peak this close to load reduces the need to import peak power into SEMA over longer transmission paths, and reduces the associated losses.

Solar generation. Several megawatt-scale solar facilities operate within about three miles of the site, including a 6.3 MW array on Energy Road beside the plant, Faunce Corner Community Solar, Dartmouth

Farms Solar and the Acushnet–High Hill solar facility. As solar grows in SEMA, midday output increasingly exceeds local demand. The Project can charge during those hours, absorbing surplus energy that would otherwise have to be exported or curtailed, and return it during Clean Peak periods.

Offshore wind. SouthCoast Wind’s planned landfall at Brayton Point in Somerset, about 10 miles west of the site, is approved for up to 1,200 MW of offshore wind. When wind output is high and regional load is low, a large battery within SEMA can absorb energy locally, reducing curtailment risk for offshore wind and solar and shifting that energy to peak hours.

Deferred investment. By absorbing surplus energy close to where it is produced, the Project can reduce the need for clean energy generators in SEMA to curtail output or fund export-related upgrades. The size of this benefit depends on ISO-NE dispatch and transmission conditions; Section A-6 describes the upgrades identified for the project’s own operation, including charging.

iii. How the location of the Energy Storage System may impact the operation of fossil-fuel based generators (e.g. reduced ramping, peaker displacement, etc.)

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will be built on the same property as the Dartmouth Power Plant, an existing dual-fuel (natural gas and oil) facility with a total capacity of 81 MW. The Project is electrically independent of the Dartmouth Power Plant, with its own substation, generator-tie line and Point of Interconnection at High Hill 115 kV. Other fossil generation nearby includes the 273 MW Tiverton combined-cycle plant in Rhode Island, about 13 miles away, as well as SEMA-area peaking units.

By providing 220 MW of fast-responding capacity, the Project can reduce how often ISO-NE must call on, start and ramp fossil units during system peaks. The battery charges when demand and prices are low, increasingly from solar and in future from offshore wind, and discharges during peak hours, displacing higher-cost, higher-emitting peaking generation. Its fast response lets it follow net-load swings and provide regulation and reserves, so conventional units can run more steadily, with fewer starts and less part-load operation.

The value of this capability was shown on June 24, 2025. New England demand peaked at about 26,024 MW, the highest since 2013, while about 2,550 MW of generating capability was unavailable and the region fell short of its operating-reserve requirements. ISO-NE’s emergency actions ran from 5:22 p.m. to 9 p.m., a window a four-hour battery can cover in full. Carbon-emitting resources supplied about 74% of the energy consumed at the peak, and oil-fired units ramped up around the peak. Cranberry Point (150 MW / 300 MWh) in Carver, the largest operating battery in SEMA, was 100% available that evening and delivered energy when ISO-NE dispatched it.

iv. If the project location is in proximity to other Energy Storage Systems

Enter appropriate explanation in this space or reference applicable attachment(s)

At High Hill: the Bidder is not aware of any other utility-scale storage connected at High Hill.

The following projects located in proximity to the proposed Project are spread across different parts of the SEMA network rather than concentrated at one bus. That geographic spread supports SEMA reliability and offshore wind integration without the projects competing for the same local transmission capacity.

- **Cranberry Point Energy Storage (Carver):** a 150 MW / 300 MWh standalone BESS, operating since 2025, about 20 miles northeast.
- **Somerset:** a BESS project selected in the Commonwealth's storage procurement, about 10 miles west near Brayton Point.

v. How the location was strategically located to maximize grid benefits and align with transmission and distribution planning priorities, such as deferring or eliminating the need for costly transmission and distribution upgrades

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will provide localized capacity support during peak demand periods and reduce loading on existing transmission infrastructure through peak shaving, load shifting, and targeted discharge during system constraints. In doing so, the Project can assist in deferring or avoiding costly investments in new substations, feeder upgrades, transformer replacements, and transmission expansion. The Project will also enhance grid reliability and resiliency by providing voltage support, mitigating congestion, reducing renewable energy curtailment, and increasing the utilization of existing grid assets. Because it dispatches in response to real-time system conditions, the Project gives utilities the flexibility to absorb load growth and rising renewable penetration. This helps meet future capacity needs while minimizing the cost and environmental impact of traditional upgrades.

This siting approach directly advances Massachusetts and ISO-NE planning priorities:

- **State storage mandate:** Section 83E of the 2024 Climate Act requires Massachusetts to procure approximately 5,000 MW of energy storage by July 31, 2030.¹ The first Section 83E solicitation selected 1,268 MW, including the Salt Cod project in nearby Somerset, which leaves most of the mandate still to be procured.²
- **Regional planning:** ISO-NE's 2025 Regional System Plan forecasts more than 11% growth in regional electricity use between 2025 and 2034 and identifies battery storage as a growing share of new resources.³ Roughly 7,000 MW of regional generation has retired or will retire in the next few years.⁴
- **Combined effect:** Leveraging existing 115 kV interconnection infrastructure in the transmission-constrained SEMA-RI area supports both the state storage target and ISO-NE's identified regional reliability need, while minimizing new transmission development.

¹ Chapter 239 of the Acts of 2024, An Act Promoting a Clean Energy Grid, Advancing Equity and Protecting Ratepayers, Sections 94–98 (inserting Section 83E). <https://www.mass.gov/info-details/laws-governing-long-term-contracts-for-renewable-energy-and-energy-storage>

² pv magazine, "Massachusetts awards 1.3 GW in first large-scale energy storage tender," December 26, 2025. <https://www.pv-magazine.com/2025/12/26/massachusetts-awards-1-3-gw-in-first-large-scale-energy-storage-tender/>

³ ISO-NE, 2025 Regional System Plan. https://www.iso-ne.com/static-assets/documents/100030/final_2025_rsp.pdf

⁴ ISO-NE, presentation of April 23, 2025. https://www.iso-ne.com/static-assets/documents/100023/isone_2025_04_23_nh_bia.pdf

3.4 Describe the proposed technology and equipment manufacturer by name and model (include inverter characteristics if applicable).

Enter appropriate explanation in this space or reference applicable attachment(s)

The design basis pairs the Canadian Solar e-STORAGE SolBank 3.0 as the DC block with the SMA Sunny Central Storage UP-XT-US as the power conversion system (PCS), or equivalent equipment. SolBank 3.0 is a containerized, liquid-cooled, fully integrated LFP system, used here in its 0.25P / 4-hour configuration.⁵

Attribute	Specification
DC Block OEM	Canadian Solar Inc. / e-STORAGE (Canadian Solar SSES (US) Inc.) or equivalent
Product / model	SolBank 3.0, CSI-SolBank-S-5016-4h-NA (~5.0 MWh per enclosure) or equivalent
Proposed DC Block count	206
Battery cell	CSI314: 314 Ah, 3.2 V nominal, LFP prismatic
Cell configuration	1P104S per module; 1P416S per rack (4 modules); 12P416S per enclosure (12 racks)
Enclosure	20-ft high-cube steel container, IP55 / NEMA 3R, C4 coating
Thermal management	Liquid cooling and heating; cells held at 20–35°C during operation
BMS	Multi-level (cell, module, rack, system); 12 BMS boxes per enclosure
Fire safety	Heat, smoke and combustible-gas detection; explosion-proof active ventilation; UL/FM-listed fire alarm control panel; optional aerosol suppression
Controls / monitoring	Local EMS, Modbus TCP/IP; CSEye 24/7 remote monitoring
PCS / inverter OEM	SMA Sunny Central Storage UP-XT-US or equivalent. Bidirectional; supports voltage regulation, power factor control, frequency response and other ISO-NE and utility grid-support functions.

The Project (DC Block – PCS – MVT combo) delivers through the 115/34.5 kV project substation and supports wholesale market participation, reliability services, renewable integration and CPS objectives.

3.5 Describe the viability and operational reliability of the proposed technology and track record of the manufacturer. Provide examples of similar applications of the same size and scope and evidence of meeting operational delivery plans in other energy storage projects.

Enter appropriate explanation in this space or reference applicable attachment(s)

Canadian Solar (NASDAQ: CSIQ, founded 2001) has deployed utility-scale BESS through its e-STORAGE unit since 2021. As of DNV's March 2025 technology review, its portfolio was:

⁵ References: Canadian Solar SolBank 3.0 datasheet Attachment 8.1.1; and SMA datasheet 8.2.1.

Deployed / Operational	14 projects — 862 MW AC / 2,804 MWh AC — COD 2021–2023 — USA, UK, China
Under Construction	25 projects — 2,447 MW AC / 5,786 MWh AC — COD 2023–2025 — USA, UK, China, Australia
Pre-Construction	980 MW AC / 2,355 MWh AC — COD 2025 — USA, Canada, Taiwan
Under Contracting	1,077 MW AC / 2,651 MWh AC — COD 2024–2025 — USA, Canada, UK, Australia, China, Chile
Total Fleet	5,366 MW AC / 13,596 MWh AC usable / 17,199 MWh DC nominal

All e-STORAGE projects contracted since 2023 use the SolBank platform. The CSI314 cell holds UL 1973:2022, IEC 62619:2022 and UN 38.3 certifications (TÜV Rheinland, 2024). The SolBank 3.0 system holds UL 9540:2023 certification (Certificate CU 72407953 0004, TÜV Rheinland, March 2025). DNV found the cell's degradation projections reasonable and in line with comparable LFP products.

Attachments 8.1.6 & 8.1.10: DNV Technology Review Report 10501176-SHA-R-01, Issue D (March 2025); TÜV Rheinland UL 9540 Certificate CU 72407953 0004; TÜV Rheinland UL 1973 Certificate CU 72405509 0001.

3.6 Please provide an Environmental Attribute delivery plan and a charge/discharge profile for the proposed project, including supporting documentation. This documentation may be either an hourly storage use schedule or planned charge and discharge schedule. In your plan, please account for forecasted weather data and market assumptions over the life of the proposed contract. The energy production/delivery profile must provide the expected Generation to be delivered into the ISO-NE market settlement system by the Energy Storage System to allow the Evaluation Team to determine the reasonableness of your projections. Such information should be consistent with the charge/discharge profile provided above and also considering any and all constraints to physical delivery into ISO-NE. Describe the operation of the Energy Storage System, including whether the proposed Energy Storage System will be classified as a Binary Storage Facility or Continuous Storage Facility, the designation of the ISO-NE Markets that the Energy Storage System would participate in, and the plan to operate in multiple ISO-NE Markets.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will be a Continuous Storage Facility that charges in renewable-rich hours and discharges over four hours into the CPS Seasonal Peak Periods. Its full CPEC delivery plan is in Section A-4.

The baseline daily cycle aligns with 225 CMR 21.05:⁶

Clean Peak Season	Dates	Charging windows (wind / solar)	Seasonal Peak Period (business days)	Seasonal multiplier
Spring	Mar 1 – May 14	12–6 AM / 8 AM–4 PM	5–9 PM	1
Summer	May 15 – Sep 14	12–6 AM / 7 AM–2 PM	4–8 PM	4
Fall	Sep 15 – Nov 30	12–6 AM / 9 AM–3 PM	4–8 PM	1
Winter	Dec 1 – Feb 28	12–6 AM / 10 AM–3 PM	4–8 PM	4

The 4-hour duration fills each Seasonal Peak Period exactly. Discharge during the Hour of Actual Monthly System Peak earns a further 25× multiplier, so the EMS will hold capacity for forecast monthly peak hours.

The Project will participate in the ISO-NE Day-Ahead and Real-Time Energy Markets, the Forward Capacity Market, regulation and operating reserves, co-optimized so ancillary service positions do not compromise Seasonal Peak delivery. A representative 8,760-hour dispatch schedule, built on forecast weather and ISO-NE market assumptions for the contract term, is in the Attachment 3.1 PA Model hourly dispatch schedule. It projects about 275,453 CPECs per year, which is scaled to approximately 750,000 CPECs per year in our financial model.

Round-trip efficiency is modeled at **87.50%** per 3.1 AC-AC at BOL, degrading per Section 3.11. Output will be metered and reported to the CPS Program Administrator, and all Generation delivered to the ISO-NE settlement system is captured in the production model.

3.7 Please describe how, as a Qualified Energy Storage System as defined in 225 CMR 21.00 Clean Peak Energy Standard (CPS), the storage system will meet the CPS requirements to operate primarily to store and discharge renewable energy. Specifically, please describe any co-location or contractual pairing with an RPS qualified resource, describe/include plans for charging coincident with periods of typically high renewable energy production, or include an operational schedule in the Qualified Energy Storage System’s Interconnection Service Agreement demonstrating that the Qualified Energy Storage System serves to resolve load flow or power quality concerns otherwise associated with intermittent renewable energy resources.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will qualify as a Qualified Energy Storage System (QESS) under 225 CMR 21.00⁷ by charging coincident with periods of typically high renewable energy production, as provided in 225 CMR 21.05(1)(a)2.c. It is a standalone facility, neither co-located with nor contractually paired to an RPS-qualified resource.

⁶ 225 CMR 21 (Mass. Register #1581, 08/28/2026); [ISO-NE Energy Storage Device project](#); PA production model (Attachment 3.1).

⁷ [225 CMR 21.05\(1\)\(a\)2](#); [DOER Clean Peak Resource Eligibility Guideline](#)

The Bidder commits to scheduling charging within the regulatory charging windows shown in the table in Section 3.6: the overnight wind-based hours (12:00–6:00 AM in every season) and the season-specific midday solar-based hours. The EMS will use market, system and weather signals to concentrate charging in these windows, absorbing renewable output that might otherwise be curtailed. As a result, energy discharged during Seasonal Peak Periods will predominantly be stored renewable energy.

This commitment will be memorialized in the Project’s Operational Parameters for Energy Storage Systems enrollment and operational schedule and verified through 15-minute interval metering. As a transmission-connected resource in Massachusetts sited within the SEMA load pocket, the Project will serve Massachusetts load and is expected to discharge to the Massachusetts distribution system, as DOER’s eligibility guideline requires. The delivery path supporting this is described in Section A-6.

3.8 Please list and describe all anticipated revenue streams associated with the Energy Storage System, including, but not limited to, the designation of the ISO-NE Markets that the Energy Storage System would participate in, the plan to operate in multiple ISO-NE Markets, and revenue streams from other third-party contracts/arrangements. For existing facilities, describe existing operations, revenues, and participation in ISO-NE Markets and describe any planned changes in operation, participation in ISO-NE Markets, and revenue streams.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project’s revenue comes from CPECs under the Long-Term Contract plus ISO-NE capacity, energy, and ancillary services markets, co-optimized across multiple markets.

Revenue stream	Description
CPS Clean Peak Energy Certificates	CPECs from metered Seasonal Peak discharge, sold under the Long-Term Contract
Day-Ahead and Real-Time Energy Markets	Energy arbitrage: charging at low prices, discharging at high prices
Forward Capacity Market	Capacity payments for CCIS-equivalent qualified capacity
Regulation	Regulation up and down for frequency control
Operating reserves	Ten-Minute Spinning Reserve and other reserve products for which the Project qualifies

The bid does not rely on any third-party bilateral contract. The Project may later pursue utility, transmission or reliability service arrangements if they arise. As a new facility, it has no existing operations, revenues or market participation.⁸

⁸ [ISO-NE Energy Storage Device project; 225 CMR 21.05](#)

3.9 Maintenance Outage Requirements – Specify partial and complete planned outage requirements in weeks or days for all generation facilities and associated facilities required for the delivery of energy from the generation facilities to the delivery point. Also, list the number of months required for the cycle to repeat (e.g., list time interval of minor and major overhauls, and the duration of overhauls).

Enter appropriate explanation in this space or reference applicable attachment(s)

No planned maintenance requires a complete outage of the BESS; work is done block by block while the rest of the facility keeps delivering.

The facility has 206 DC blocks coupled to 69 inverter / MV transformer skids. Taking one inverter skid out of service removes about 3.43 MW of delivered power at the POI, or 1.45% of deliverable capacity. Because of the beginning-of-life overbuild, the Project can still deliver its full 220 MW at the POI during the early years of operation with up to three inverter skids out of service.

Activity	Capacity affected	Duration	Cycle interval
Semi-annual preventive maintenance	One block at a time	1–2 days per block; 4–6 week rolling campaign	6 months
Annual preventive maintenance incl. capacity test	One block at a time	2–3 days per block; 6–8 week rolling campaign	12 months
State-of-charge calibration	No derate; dispatch constraint only	One controlled full charge/discharge	3 months
Periodic component replacement	Within preventive maintenance windows	No incremental outage	4, 5, 8 and 10 years by component
Capacity augmentation	Staged by block; no complete outage	6–10 weeks	Years 3, 7, and 13
Collector, main power transformer and interconnection facilities	Complete facility outage	1–2 days	12–24 months

Scope. Semi-annual work covers battery checks and cell balancing, thermal imaging of terminations, thermal management and filter service, and UPS and fire alarm panel battery charging. Annual work adds cable and grounding inspection, BMS alarm review, enclosure sealing, sensor calibration, coolant pH checks, fire detection and suppression inspection, configuration checks and the capacity test.

Inverters and MV equipment. Work on inverters, LV/MV cabinets, MV transformers, switchgear and oil containment is done voltage-free, annually or biennially, with some tasks every three years or more per OEM requirements. It runs concurrently with the associated DC block, adding no outage.

Component replacement. UPS batteries at four years; surge protection devices, gas sensors and labels at five years; cooling fans at eight years; the liquid chiller at ten years.

Major maintenance equivalent. A BESS has no turbine overhaul. Its equivalent is augmentation at the beginning of years 3, 7 and 13, staged block by block to keep guaranteed AC capacity at 880 MWh for the 20-year term.

Delivery facilities. Collector, main power transformer and substation maintenance is scheduled in a shoulder month outside the Summer and Winter seasons. State-of-charge calibration is scheduled outside Seasonal Peak Periods.⁹

3.10 Operating Constraints – Specify all the expected operating constraints and operational restrictions for the project (e.g., limits on the number of hours a unit may be operated per year or unit of time or charge / discharge cycles per year).

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project has no hard coded run-hour, annual operating-hour, fuel or cycle limits beyond its power and energy ratings, BMS state-of-charge limits, interconnection requirements and ISO-NE rules.¹⁰

Constraint	Value
POI limit	220 MW AC
Cycle limit	365 Equivalent Full Cycle (EFC) per year (production model assumption). The CSI314 cell is rated for 12,000 cycles to 60% state of health.
Charge / discharge rate	0.25P nominal (4-hour); cell maximum 1P
Ambient temperature	-30°C to +55°C; derating from 45°C. None expected in ISO-NE.
Cell temperature	Held at 20–35°C. Charging at cell level 0°C to 60°C; discharging at -20°C to 60°C.
Altitude	Up to 4,000 m (derating above 2,000 m); site is near sea level
Humidity	≤95% RH, non-condensing
Auxiliary power	480 V / 60 Hz, 3-phase; ~1.5 kVA standby and ~22 kVA peak per enclosure

Planned maintenance (see Section 3.9 above) may briefly reduce availability, mostly through partial outages.

⁹ e-STORAGE SolBank 3.0 Attachment 8.1.3 Maintenance Manual V2.2; PCS OEM maintenance requirements.

¹⁰ Canadian Solar SolBank 3.0 datasheet Attachment 8.1.1; CSI314 cell specification; PA production model Attachment 3.1

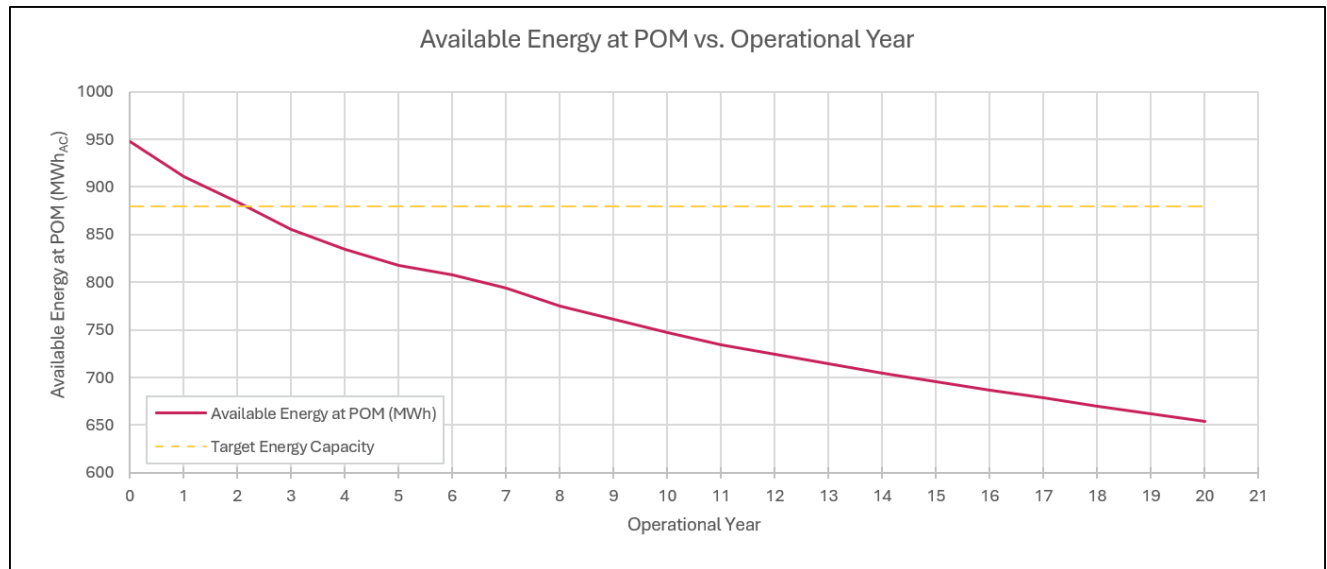
3.11 Degradation mitigation plan – If applicable to the proposal’s technology type, specify the anticipated degradation rate (absent any mitigation) and plan for mitigation of output degradation (e.g., augmentation schedules or over build plans).

Enter appropriate explanation in this space or reference applicable attachment(s)

No Augmentation Scenario:

The table and plot below show the facility’s anticipated capacity degradation without augmentation. Without augmentation, the facility would fall below its 220 MW, four-hour rating after Year 2. Its sustainable four-hour output at the point of metering would continue to decline, reaching about 163 MW (653 MWh) by Year 20.

Year	PCS Count	AC/DC Block Count	Degradation Curve	Delivered Energy at POM (MWh)	Available Energy at POM (MWh)	Delivered Power at POM (MW)
0	69	206	100.00%	947.80	947.80	220
1	69	206	96.19%	910.88	910.88	220
2	69	206	93.45%	883.87	883.87	220
3	69	206	90.72%	855.05	855.05	213.76
4	69	206	88.72%	834.18	834.18	208.54
5	69	206	87.17%	818.05	818.05	204.51
6	69	206	86.20%	807.96	807.96	201.99
7	69	206	84.83%	793.71	793.71	198.43
8	69	206	83.04%	775.22	775.22	193.81
9	69	206	81.64%	760.76	760.76	190.19
10	69	206	80.32%	747.10	747.10	186.78
11	69	206	79.07%	734.38	734.38	183.59
12	69	206	78.10%	724.35	724.35	181.09
13	69	206	77.12%	714.32	714.32	178.58
14	69	206	76.20%	704.95	704.95	176.24
15	69	206	75.32%	695.91	695.91	173.98
16	69	206	74.42%	686.76	686.76	171.69
17	69	206	73.60%	678.39	678.39	169.60
18	69	206	72.78%	670.10	670.10	167.52
19	69	206	71.95%	661.58	661.58	165.40
20	69	206	71.17%	653.76	653.76	163.44

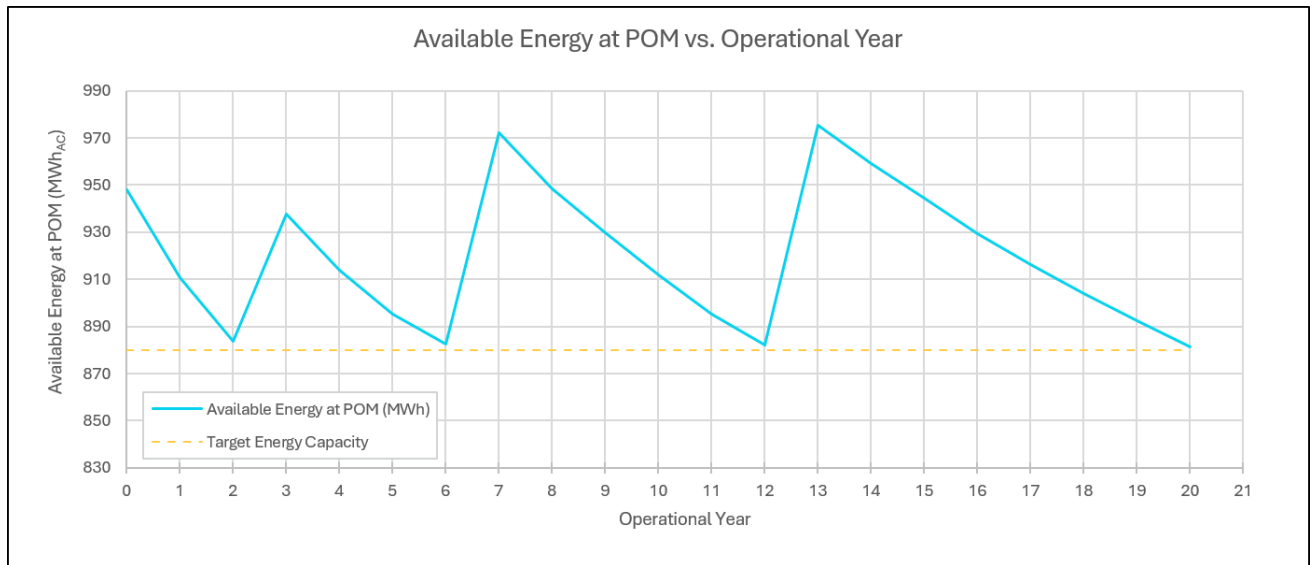


Planned Augmentation Scenario:

To offset this degradation, the facility will add augmentation at the beginning of Years 3, 7 and 13, as detailed in the table and plot below. This schedule keeps the facility able to deliver 220 MW for the full four-hour duration (880 MWh) throughout the 20-year contract term.

Year	PCS Count	AC/DC Block Count	Degradation Curve	Delivered Energy at POM (MWh)	Available Energy at POM (MWh)	Delivered Power at POM (MW)
0	69	206	100.00%	947.80	947.80	220
1	69	206	96.19%	910.88	910.88	220
2	69	206	93.45%	883.87	883.87	220
3	75	224	90.72%	937.79	937.79	220
4	75	224	88.72%	913.70	913.70	220
5	75	224	87.17%	895.21	895.21	220
6	75	224	86.20%	882.60	882.60	220
7	83	247	84.83%	972.27	972.27	220
8	83	247	83.04%	948.25	948.25	220
9	83	247	81.64%	929.89	929.89	220
10	83	247	80.32%	911.77	911.77	220
11	83	247	79.07%	895.10	895.10	220
12	83	247	78.10%	882.01	882.01	220
13	90	270	77.12%	968.27	975.43	220
14	90	270	76.20%	953.51	959.24	220
15	90	270	75.32%	939.56	944.24	220
16	90	270	74.42%	925.82	929.38	220
17	90	270	73.60%	913.59	916.33	220
18	90	270	72.78%	901.91	904.03	220

Year	PCS Count	AC/DC Block Count	Degradation Curve	Delivered Energy at POM (MWh)	Available Energy at POM (MWh)	Delivered Power at POM (MW)
19	90	270	71.95%	890.74	892.47	220
20	90	270	71.17%	880.04	881.21	220



Section A-4: Environmental Attribute Delivery Plan

4.1 For each Transmission Project and Distribution Project being bid, please provide documentation and information demonstrating that the project will deliver into the Distribution Companies' NEPOOL GIS accounts, GIS Certificates representing CPECs and any other Environmental Attributes, as applicable associated with the energy storage project. Please describe whether transfer of all GIS Certificates is authorized under the current ISO-NE GIS rules and protocols, or if a rule or protocol change is required. To the extent such change is required, please provide details regarding the proposal and the process for implementing the change.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will deliver all Clean Peak Energy Certificates (CPECs), and any other Environmental Attributes required under the Long-Term Contract, to the Distribution Companies' designated CPEC subaccounts in the NEPOOL GIS. Following DOER qualification of the Project as a Clean Peak Resource under 225 CMR 21.00, the CPS Program Administrator will verify the Project's metered discharge during Seasonal Peak Periods, calculate the CPECs earned each month, and report them to the NEPOOL GIS for creation in accordance with Rules 2.1(a)(ix) and 2.5(b) of the GIS Operating Rules. The Bidder will register standing Forward Certificate Transfers under GIS Rule 3.3, allocated among the Distribution Companies according to their contract shares, so that CPECs are deposited directly into the Distribution Companies' accounts on each quarterly Creation Date without passing through the Bidder's account. No change to the GIS Operating Rules is required: the existing rules expressly provide for creating CPECs for qualified energy storage systems and transferring them among Account Holders. The Bidder will (i) obtain DOER qualification and complete GIS registration, (ii) support the CPS Program Administrator's monthly performance verification, (iii) maintain the Forward Certificate Transfers for the full contract term, and (iv) preserve all metering, settlement and transfer records.

Section A-5: Financial and Legal

For all project-specific questions in Section A-5, if bidding in multiple Transmission Projects or Distribution Projects, please answer each question for each Transmission Project or Distribution Project being bid.

5.1 Except for existing Energy Storage Systems, which do not need to demonstrate that a long-term contract under Section 83E is necessary to facilitate financing, please submit information and documentation that demonstrates that long-term contracts resulting from this RFP Process would either permit the bidder to finance, or refinance, its proposal that would otherwise not be financeable or assist the bidder in obtaining financing of its proposal.

Enter appropriate explanation in this space or reference applicable attachment(s)

The long-term CPEC revenue contract resulting from this RFP is the financeability linchpin for the project: it de-risks forecast revenue for lenders and equity investors by converting a portion of the project's revenue into a fixed, contracted stream, which is what makes the project bankable. The Bidder has structured its bid price and tenor to be least-cost to Massachusetts ratepayers while securing the threshold amount of contracted revenue required to finance the project. Absent a long-term contract, a standalone merchant BESS of this size faces revenue uncertainty that materially raises financing cost, reduces the number of potential lenders, and can render the project non-financeable on reasonable terms. Without the support of the CPEC revenue contract, when bidding a merchant capital structure, the Bidder would be required to bid a significantly higher price to compensate for the additional equity requirements and higher cost of project finance debt.

5.2 Please provide a description of the business entity structure of the bidder's organization from a financial and legal perspective, including all general and limited partners, officers, directors, managers, members and shareholders, involvement of any subsidiaries supporting the project, and the providers of equity and debt during project development. Provide an organization chart showing the relationship between the equity and debt participants and an explanation of the relationships. For jointly owned facilities, identify all owners and their respective interests, and document the Bidder's right to submit a binding proposal.

Enter appropriate explanation in this space or reference applicable attachment(s)

Bidder. The Bidder is Dartmouth Energy Storage LLC, is a Delaware limited liability company formed as a special purpose project company for the Project. A copy of the Bidder's Certificate of Formation is provided as Attachment 5.2-A.

The Bidder's organizational structure is shown in Attachment 5.2-B. Attachment 5.2-C identifies, for each entity in the ownership chain, its jurisdiction, its members or partners, and its officers.

Ownership chain. The Bidder is wholly owned by PowerTransitions Energy Development LLC, which in turn, is indirectly and wholly owned by PowerTransitions Parent LP. The complete ownership chain of the Bidder is identified in Attachment 5.2B.

General partner and limited partners. As a limited liability company, the Bidder does not have any general partners or limited partners. The sole member of the Bidder is identified in Attachment 5.2B.

Equity financing. Equity financing for the development, construction, commissioning, operation and maintenance of the Project will be sourced from cash flows from the operations of affiliates of the Bidder, including operating power plants in ISO-NE, NYISO and PJM, as well as cash flow sourced from the contributions from investment vehicles advised or controlled by affiliates of Partners Group Holdings AG, the private equity sponsor of Bidder's ultimate parent.

Debt financing and tax credit bridge financing. As of the date of this proposal, the Bidder has not identified a provider for any debt or tax equity financing for the Project. The Bidder expects to finance the Project through a customary project finance structure consisting of sponsor equity, senior secured debt financing, and tax credit bridge financing. Once financing parties are identified, the Bidder will provide the Evaluation Team with an updated structure and information on the applicable financing sources. The financing plan is described further in the response to Question 5.3.

Joint ownership. The Project is wholly owned by the Bidder.

5.3 Please provide a description of the financing plan for the project, including construction and term financing. The financing plan should address the following:

The Bidder will finance the Project on a non-recourse project finance, with equity and debt participants as shown in the organization chart provided in response to Question 5.2.

The long-term CPEC revenue contract resulting from this RFP, a fixed price offtake of the Project's CPECs is the basis for the Project's debt sizing, as described in response to Questions 5.1 and 5.17. The Project's capacity, energy and ancillary service revenues are merchant. Rather than applying a separate discount to merchant revenues, the Bidder accounted for merchant revenue risk on the bid price, determined by stress testing multiple variables, including merchant revenue, in the project financial model, as described in response to Question 5.9.

Development and operating period security will be provided in the form required under the Long-Term Contract. The Bidder expects to provide this security in the form of a letter of credit issued by a U.S. commercial bank or the U.S. branch of a foreign bank, that satisfies the requirements of Section 2.2.3 (at least \$10 billion in assets and a credit rating of at least A3/A-) or in such other form of security permitted under the Long-Term Contract. The letter of credit or such other form of security will be provided by the Bidder, and if provided in the form of a letter of credit, will be backed by cash collateral, as described in response to Question 5.12.

Construction will be financed through a construction loan converting to a mini-perm term loan at commercial operation, together with a Clean Electricity Investment Credit (ITC) bridge financing and a letter of credit facility to provide development and operating period security. The Bidder expects to qualify the Project for the Clean Electricity Investment Credit under Section 48E and to monetize it through a direct tax credit transfer (or alternatively, traditional tax equity financing), as detailed in response to Question 5.14. Consistent with Section 2.2.1.3(f), the proposed price is firm and does not depend on availability of the ITC. Because the Project is in an early development stage, the descriptions below reflect the Bidder's planned and expected structure rather than executed financing arrangements; the Bidder will refine these terms as development advances and financing is arranged.

i. Who will finance the project (or are being considered to finance the project) and the related financing mechanism or mechanisms that will be used (i.e. convertible debenture, equity or other) including repayment schedules and conversion features

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder expects the Project to be capitalized through a combination of (a) equity financing contributed to Bidder's parent by investment funds affiliated with Partners Group Holdings AG, which equity financing will be contributed to Bidder by Bidder's parent through Bidder's ownership chain; (b) third-party, non-recourse project finance debt provided by commercial banks and/or institutional infrastructure lenders active in the North American project finance market arranged via a competitive financing process, in the form of a senior secured construction loan that converts to or is refinanced by a senior secured term loan at commercial operation; and (c) monetization of the federal Clean Electricity Investment Credit (ITC) generated by the Project, expected to be effected through a tax credit transfer under Section 6418 of the Internal Revenue Code (transferability) with a tax credit purchaser active in the North American tax credit market arranged via a competitive tax credit transfer process, or, alternatively, traditional tax equity structuring with tax equity investors active in the North American tax equity market arranged via a competitive tax equity process. The senior debt is expected to amortize on a sculpted schedule sized to a target debt service coverage ratio (DSCR) over the contract term, with a refinancing or cash-sweep mechanism addressing any tail beyond the amortization profile. The Bidder does not currently contemplate convertible debentures for the Project.

ii. The project's existing initial financial structure and projected financial structure

Enter appropriate explanation in this space or reference applicable attachment(s)

At present the Project is funded entirely with cash sourced from the operations of Bidder's affiliated generating facilities in operation in ISO-NE, NYISO and PJM, as well as equity contributed from investment vehicles affiliated with Partners Group Holdings AG to Bidder's parent. Consistent with the Project's early development stage; there is no third-party project debt in place today. The projected financial structure at financial close and construction is a standard non-recourse project finance structure: additional cash proceeds from (i) contributions by investment vehicles affiliated with Partners Group Holdings AG to Bidder's parent (which proceeds will be contributed to Bidder through Bidder's ownership chain), (ii) a senior secured construction facility funding construction costs, and (iii) the transfer of the Clean Electricity Investment Credit (ITC) generated by the Project (or bridge or tax equity financing in respect thereof). At commercial operation, the construction facility is expected to convert to or be refinanced by senior secured term debt, sized against the contracted CPEC revenue and the Project's merchant energy, capacity, and ancillary-services revenues, and supported by customary project finance security and covenants.

iii. Expected sources of debt and equity financing

Enter appropriate explanation in this space or reference applicable attachment(s)

Equity: Cash contributions from the Bidder's parent, which contributions will be sourced from commitments to Bidder's parent from investment vehicles affiliated with Partners Group Holdings AG.

Debt: non-recourse senior secured project finance debt (construction and term) from commercial bank and/or institutional infrastructure lenders. Tax credit monetization: proceeds from transfer of the Project's Clean Electricity Investment Credit (ITC) to one or more third-party transferees, or from a tax equity investor, expected to fund a portion of construction and/or provide a milestone contribution at or near commercial operation.

iv. Estimated construction and other costs to develop and operate the project

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder has developed a project cost estimate covering development, interconnection, engineering and procurement, EPC/construction, owner's costs and contingency, financing costs, and ongoing operating costs (including O&M, augmentation, insurance, property taxes, and site lease/ownership costs). These estimates support the Project's financing plan and pricing and are refined as engineering, interconnection, and procurement advance.

Uses		
BESS Modules and PCS	\$ in mm	xxx
Interconnection & Network Upgrades	\$ in mm	xxx
EPC	\$ in mm	xxx
Owner's Contingency	\$ in mm	xxx
Basis Step Up	\$ in mm	xxx
Other Direct / Indirect Construction	\$ in mm	xxx
Financing Fees	\$ in mm	xxx
Interest and LC Fees During Construction	\$ in mm	xxx
Total Uses	\$ in mm	xxx
Uses \$ / KW		
BESS Modules and PCS	\$ / kW	xxx
Interconnection & Network Upgrades	\$ / kW	xxx
EPC	\$ / kW	xxx
Owner's Contingency	\$ / kW	xxx
Other Direct / Indirect Construction	\$ / kW	xxx
Financing Fees	\$ / kW	xxx
Interest and LC Fees During Construction	\$ / kW	xxx
Total Uses	\$ / kW	xxx

v. The projected capital structure

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project's projected capital structure is a conventional contracted-storage project finance structure comprised of sponsor equity, senior secured non-recourse debt sized based on a targeted debt service coverage ratio that is improved as the proportion of contracted revenue increases, and Clean Electricity Investment Credit (ITC) monetization through the form of a tax credit transfer or, alternative, traditional tax equity financing. The debt component is sized to a target debt service coverage ratio measured against the contracted CPEC revenue supplemented by projected merchant revenues, subject to lender sizing and market conditions at financing.

Debt (Term Loan)	xxx
Debt (ITC Bridge)	xxx
Equity Contribution	xxx
DSCR – Contracted	xxx
DSCR – Merchant	xxx

vi. Describe any agreements, both pre and post commercial operation date, entered into with respect to equity ownership in the proposed project and any other financing arrangement

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project is owned by the Bidder. As noted in Question 5.2, equity ownership of the Bidder is held by affiliates of the Bidder and is ultimately controlled by investment vehicles affiliated with Partners Group Holdings AG. The Bidder expects that it will have sufficient capital from the operations of its affiliates and from such investment vehicles to fund all equity needs without requiring any other third-party equity partners. As of the date of this proposal, the Bidder has not executed third-party project debt, Clean Electricity Investment Credit (ITC) transfer or tax equity agreements for the Project; these financing arrangements are expected to be put in place as the Project advances toward financial close. The Bidder will enter into customary project finance documentation (credit agreement, security and account-control documents, equity contribution/commitment arrangements, and any tax credit transfer or tax equity documentation) in connection with financing.

vii. In addition, the financing plan should address the status of the above activities as well as the financing of development and permitting costs. All bidders are required to provide this information.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project is at an early-to-mid development stage. Development and permitting costs to date — including site control, interconnection, environmental and engineering studies, and permitting preparation — have been and continue to be funded on balance sheet through operations of affiliates of the Bidder that operate generating facilities in ISO-NE, NYISO and PJM, as well as equity provided to the Bidder's parent by investment vehicles affiliated with Partners Group Holdings AG. The Bidder expects to run a competitive financing process to establish the debt facilities and tax credit monetization on terms that support a least-cost bid to Massachusetts ratepayers. The Bidder plans to reach financial close in advance of the start of construction shown in the Section A-10 critical-path schedule, arranging the construction and term debt facilities and finalizing Clean Electricity Investment Credit (ITC) monetization on a timeline consistent with the December 31, 2029 COD.

5.4 Please describe any financial commitments to enter into long-term contracts with businesses, nonprofit organizations, a municipality or group of municipalities, or other sources of long-term revenue.

Currently, the Project has not entered into any long-term agreements with businesses, nonprofit organizations, or municipalities.

5.5 Please describe the status of the commitments with any offtakers, including any executed agreements, provided that such agreements may be contingent on the project being selected for contracting under this RFP.

There are currently no executed agreements with offtakers; however, the Bidder on behalf of the Project plans to engage with other offtakers.

5.6 Provide documentation illustrating the experience of the bidder in securing financing for projects of similar size and technology. For each project previously financed provide the following information

- i. Project name and location*
- ii. Project type and size*
- iii. Date of construction and permanent financing*
- iv. Form of debt and equity financing*
- v. Current status of the project*

Members of the Bidder's senior leadership team and development teams have direct experience developing, financing, and bringing to commercial operation utility-scale battery energy storage projects of similar size and technology. The project experience set forth below was led by Bidder's personnel in prior roles with a leading U.S. developer, owner, and operator of standalone battery energy storage systems. These entries reflect the individual track record of the Bidder's team and are presented to demonstrate the depth of relevant financing and execution experience the team brings to the proposed project.

Project Experience 1

Enter appropriate explanation in this space or reference applicable attachment(s)

- **i. Project name and location:** Hummingbird (KCE TX 10), Denton County, Texas
- **ii. Project type and size:** 100 MW standalone battery energy storage system (two-hour duration), ERCOT
- **iii. Date of construction / permanent financing:** Commercial operation December 2024. Investment Tax Credits for the project were transferred to a third party in a transaction announced January 2025 (KCE's second ITC transfer under the IRA).
- **iv. Form of debt and equity financing:** Financed as part of KCE's portfolio; project monetized its ITC via third-party transfer (transferability under the IRA).
- **v. Current status:** Operational

Project Experience 2

Enter appropriate explanation in this space or reference applicable attachment(s)

- **i. Project name and location:** Limousin Oak (KCE TX 15), Grimes County, Texas
- **ii. Project type and size:** 100 MW standalone battery energy storage system (two-hour duration), ERCOT
- **iii. Date of construction / permanent financing:** Commercial operation December 2024. ITCs transferred to a third party in the transaction announced January 2025.
- **iv. Form of debt and equity financing:** ITC monetized via third-party transfer under the IRA;
- **v. Current status:** Operational

Project Experience 3

Enter appropriate explanation in this space or reference applicable attachment(s)

- **i. Project name and location:** River Valley I (KCE TX 19), Williamson County, Texas (approximately 35 miles northeast of Austin)
- **ii. Project type and size:** 50 MW standalone battery energy storage system (two-hour duration), ERCOT
- **iii. Date of construction / permanent financing:** Came online in 2023. ITCs transferred to a third party via Enhanced Capital in a transaction announced January 2024 (one of the industry's first ITC transfer transactions; KCE's first ITC transfer).
- **iv. Form of debt and equity financing:** ITC monetized via third-party transfer under the IRA, arranged with Enhanced Capital; CRC-IB served as financial advisor to KCE.
- **v. Current status:** Operational

Project Experience 4

Enter appropriate explanation in this space or reference applicable attachment(s)

- **i. Project name and location:** River Valley II (KCE TX 21), Williamson County, Texas (approximately 35 miles northeast of Austin)
- **ii. Project type and size:** 50 MW standalone battery energy storage system (two-hour duration), ERCOT
- **iii. Date of construction / permanent financing:** Came online in 2023. ITCs transferred to a third party via Enhanced Capital in the transaction announced January 2024.
- **iv. Form of debt and equity financing:** ITC monetized via third-party transfer under the IRA, arranged with Enhanced Capital; CRC-IB served as financial advisor to KCE.
- **v. Current status:** Operational

Additional Project Experience

Enter appropriate explanation in this space or reference applicable attachment(s)

- **Bernardston & Richardson (Pacifico, MA)** – Two 6.71 MWh each Distribution-connected BESS projects located in Franklin County and Attleboro County, MA respectively. ISO-NE. Operational (COD December 2024).
- **WHAM8 Group of Projects (0HAM WHAM8 Solar LLC, MA)** – Four Distribution-connected BESS projects totaling 21.5 MWh, all located in Plymouth County, MA. ISO-NE. Operational (COD 2021).
- **Station 605 & 610 (Williams Companies, PA)** - Two Distribution-connected BESS projects totaling 48 MWh, located in Wyoming County and Columbia County, PA respectively. PJM. Operational (COD July 2025)
- **Caballero (AOP, CA)** – 400 MWh (4hr duration) Utility scale BESS, San Luis Obispo County, CA, CAISO. Operational (COD April 2025).
- **Hidden Lakes (Gridstor, TX)** – 440 MWh (2hr Duration) Utility scale BESS, Galveston County, TX, ERCOT. Operational (COD 2025).

- **Republic Road (KCE TX 11)** — 50 MW two-hour BESS, Robertson County, TX, ERCOT. Operational (COD June 2022).
- **Silicon Hill (KCE TX 12)** — 100 MW two-hour BESS, Travis County, TX, ERCOT. Operational (COD December 2021).
- **Endurance Park (KCE TX 13)** — 50 MW two-hour BESS, Scurry County, TX, ERCOT. Operational (COD December 2022).
- **Roughneck (KCE TX 23)** — 50 MW two-hour BESS, Brazoria County, TX, ERCOT. Operational (COD December 2021).
- **Portfolio total:** 550 MW across eight operational ERCOT projects.

In addition to BESS experience, members of the Bidder's leadership team and development team bring broader utility-scale energy infrastructure experience, including the development, engineering, financing, construction, commissioning, operation, maintenance and asset management of combined-cycle, cogeneration, peaking power facilities and renewable energy facilities across the United States and internationally. While this experience is not BESS-specific, it reflects the team's depth in large-scale energy infrastructure development, project finance, and execution directly relevant transferable skills for delivering the proposed Project on schedule and within budget.

5.7 Please provide evidence that the bidder has the financial resources and financial strength to complete and operate the project as planned, including contingencies for project delays or cost overruns.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder has the financial resources and financial strength to complete and operate the Project as planned, including contingencies for project delays or cost overruns, funding its equity in a typical project finance funding structure with lenders of debt financing. The Bidder's parent is a portfolio company of investment vehicles affiliated with Partners Group Holdings AG, a leading global private markets firm with over \$185 billion of assets under management, and is backed by substantial committed equity capital. This equity backing, together with the project financing plan described in the response to Question 5.3, provide the resources and contingency headroom to absorb reasonable cost overruns and schedule delays.

5.8 Please provide details of any financial difficulties by the bidder or any of its past or present affiliates which impaired the viability and/or financing of the development and construction of projects of similar type, size, and complexity of the proposed eligible project or other large scale renewable energy project, including any past terminated projects and claims of financial difficulties. Bidders must demonstrate how the proposed eligible project materially differs from any past projects and demonstrate fully the financial viability of the project as bid.

Enter appropriate explanation in this space or reference applicable attachment(s)

Neither Bidder, its parent nor any of its past or present affiliates has experienced any financial difficulty that impaired the viability or financing of the development or construction of a similar-type, similar-size, or similarly complex energy storage or large-scale renewable energy project, and none has had a project terminated or been subject to a claim of financial difficulty of the kind described in this question.

5.9 Describe the assumptions applied by Bidder regarding forecast changes in project costs during the contract term, interest rates over the development period, key input commodity prices, and the methodology used to establish the project contingency amount. Additionally, describe the assumptions made regarding forecasted revenue from other sources (including but not limited to energy arbitrage, capacity and ancillary services markets, or other contractual arrangements) as well as the measure of discount applied to the value of these other revenue streams. Bidder must explain why these assumptions are reasonable and describe and quantify how the project as proposed is designed to absorb sufficient risk to ensure the project can be successfully financed at the proposed price.

Enter appropriate explanation in this space or reference applicable attachment(s)

We have applied a contingency on our CAPEX assumptions. In addition, a contingency was placed on our bid price, which was determined by stress testing multiple variables, including merchant revenue, in the project financial model. The CAPEX assumptions are escalated from today's prices to financial close. With these collective contingency components, we feel confident with the firm bid and that it will lead to a successful project financing.

5.10 Provide complete copies of the most recent audited financial statement and annual report for each bidder for each of the past three years; including affiliates of the bidder (if audited statements are not available, reviewed or compiled statements are to be provided). Also, provide the credit ratings from Standard & Poor's and Moody's (the senior unsecured long term debt rating or if not available, the corporate rating) of the bidder and any affiliates and partners.

Enter appropriate explanation in this space or reference applicable attachment(s)

Complete copies of the most recent audited consolidated financial statements for the Bidder's affiliated company group for past three years are provided as attachments 5.10.A, 5.10.B, and 5.10.C: (i) audited financial statements for the year ended December 31, 2023; (ii) audited financial statements for the year ended December 31, 2024; and (iii) audited financial statements for the year ended December 31, 2025. All three years were audited by Weaver and Tidwell, L.L.P. and received unmodified (clean) audit opinions.

The Bidder and its affiliates are a privately held companies and do not carry a Standard & Poor's or Moody's credit rating.

5.11 Please also include a list of the board of directors, officers and trustees for the past three years and any persons who the bidder knows will become officers, board members or trustees.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder is a limited liability company managed by its sole member. The current officers of the Bidder are set forth below:

Officers:

The Bidder is a wholly owned, indirect subsidiary of PowerTransitions Parent LP. The board of managers of the general partner of PowerTransitions Parent LP are set forth below.

Directors:

Prior to their acquisition by investment vehicles affiliated with Partners Group Holdings AG, the board of managers of PowerTransitions LLC, the then-parent entity of the Bidder, were as set forth below.

Former Directors (under prior investor):

5.12 The bidder should demonstrate its ability (and/or the ability of its credit support provider) to provide the required security, including its plan for doing so.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder has the ability to provide the required security under the Long-Term Contract, including the development security of \$40,000/MW due at LTC execution of approximately \$8.8 million for the 220 MW project, and any construction-and operating period security required under the Form Long-Term Contract. The Bidder plans to post the required security through a corporate letter of credit facility with a financial institution holding an A or better rating from S&P. The Bidder also has the financial capacity to fund security with cash on hand from operations of its affiliates, or if required, from equity capital contributed by its sponsor, Partners Group Holdings AG, to the Bidder's parent.

5.13 Provide a description of any current or recent credit issues/ credit rating downgrade events regarding the bidder or affiliate entities raised by rating agencies, banks, or accounting firms.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder and its affiliates do not carry a credit rating from Standard & Poor's or Moody's; accordingly, there has been no rating-agency downgrade. The audited financial statements provided for the Bidder's affiliates have each received an unmodified (clean) audit opinion from Weaver and Tidwell, L.L.P., with no accounting-firm-identified credit issue, covenant breach, or going-concern finding.

5.14 Describe the role of the Federal Investment Tax Credit ("ITC"), and any other incentives or awards, on the financing of the project. In your response, please describe (a) your plan to qualify for the ITC and the level of the ITC for which you plan to qualify, (b) the facilities, investment in which, the ITC is expected to apply, (c) your plan to utilize the tax credits and the relationship to your financing plan, and (d) how qualification for the ITC is reflected in your proposed pricing. Please also describe qualification plans, applicability and utilization of any other Federal incentives or awards.

Bidders must clearly state their assumptions regarding the availability of federal or state tax credits, subsidies, or grants or other incentives, including but not limited to those available under the Inflation Reduction Act of 2022 (IRA), the Infrastructure Investment and Jobs Act of 2022, and the One Big Beautiful Bill Act (the "OBBBA").

Bidders should describe any plans to meet federal domestic content and labor requirements in order to maximize federal tax credits available to the project under the IRA and the OBBBA. Bidders must also describe plans to pursue state funding available to energy storage projects.

As part of the provisions of the OBBBA, the Bidder must describe the credibility and status of compliance with "foreign entities of concern" (FEOC) and provide compliance documentation (e.g. preparation of non-FEOC reports, certifications, or existing safe harbor provisions). In addition to describing how bidder will qualify and demonstrate initial compliance with FEOC, bidder must also provide a description of bidder's plan to remain compliant throughout the life of the project, including but not limited to retaining effective control of the project throughout its lifecycle, to avoid any recapture of ITC.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project is expected to qualify for the federal Clean Electricity Investment Credit (ITC) for standalone energy storage under Section 48E. The Bidder plans to meet the federal prevailing-wage and apprenticeship requirements to secure the full labor-adjusted credit and intends to pursue domestic-content where practicable. The Project will structure ITC monetization (e.g., tax-equity partnership and/or transfer) as part

of the financing plan, and the assumed ITC level is reflected in the proposed pricing. The Project's CPEC bid price is firm.

With respect to the One Big Beautiful Bill Act (OBBBA) "foreign entity of concern" (FEOC) provisions, the Bidder addresses the two applicable FEOC tests separately:

(i) Material assistance/component sourcing:

- The battery energy storage system accounts for a significant share of Project cost and is the equipment most exposed to low domestic content or manufacture by an OEM controlled by an entity from a foreign country of concern. To mitigate this, the Project's SolBank battery energy storage system will be supplied by Canadian Solar e-STORAGE and manufactured in the United States, with 55% domestic content. Canadian Solar Inc. (Nasdaq: CSIQ) is a publicly traded company headquartered in Canada. The Bidder is working with Canadian Solar e-STORAGE to document compliance with the OBBBA material assistance (FEOC) test, including obtaining the component-level cost data and supply-chain certifications needed to calculate the material assistance cost ratio.
- Canadian Solar has fully divested its U.S. manufacturing operations such that no entity from a foreign country of concern holds controlling ownership, and the Bidder is not aware, as of the date of this submission, of any designation of Canadian Solar Inc. or its U.S. manufacturing entities as a Prohibited Foreign Entity under the OBBBA. The Bidder will obtain and retain Canadian Solar's written attestation of FEOC compliance status, including the material assistance cost ratio, as a condition of equipment procurement.
- To the extent the material assistance cost ratio cannot be confirmed prior to financial close, the Bidder will evaluate alternative cell or system suppliers that can demonstrate full FEOC compliance. The Bidder's procurement strategy treats FEOC compliance as a threshold equipment selection criterion, and the Project will not be financed or constructed with components that cause ITC recapture under the OBBBA FEOC provisions.

(ii) Prohibited Foreign Entity ownership/control status:

- With respect to the OBBBA "foreign entity of concern" (FEOC) ownership/control test, the Bidder has confirmed that its ownership structure does not constitute a Prohibited Foreign Entity. No specified foreign entity holds ownership or exercises effective control over the Bidder, and the Bidder will maintain its ownership and governance structure throughout the Project's lifecycle to preserve compliance and avoid recapture of the ITC.

5.15 Bidders must disclose any litigation or disputes in the last three-year period related to projects developed, owned or managed by bidder or any of its affiliates in the United States, or related to any energy product sale agreement.

Enter appropriate explanation in this space or reference applicable attachment(s)

Since inception, neither the Bidder nor any of its affiliates has been involved in any litigation or dispute related to any project developed, owned, or managed by the Bidder or its affiliates in the United States, or related to any energy product sale agreement.

5.16 What is the expected operating life of the proposed project? What is the depreciation period for all substantial physical aspects of the bid, including generation facilities, delivery facilities to move power to the grid, and mandatory and voluntary transmission or distribution system upgrades?

Enter appropriate explanation in this space or reference applicable attachment(s)

The financial model contains a 20-year useful life, and all depreciable assets are fully depreciated over that time.

5.17 Has the bidder already obtained financing, or a commitment of financing, for the project? If financing has not been obtained, explain how obtaining a long-term agreement as proposed will help you in obtaining financing for the proposed project, in obtaining more favorable terms for the financing of the proposed project, or in supporting the future capital investment.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder is a wholly owned, indirect subsidiary of PowerTransitions Parent LP, a portfolio company of investment vehicles affiliated with Partners Group Holdings AG. The Bidder has received full support from its governing body as well as from the Board of Managers of the general partner of PowerTransitions Parent LP, to make this Proposal for the Project.

The long-term CPEC revenue contract resulting from this RFP is the financeability linchpin for the project: it de-risks forecasted revenue for lenders and equity investors by creating a stable contracted revenue stream that provides cash flows that banks can lend against in a standard project finance structure. This in turn reduces the required equity funding and lowers the overall cost of capital for the project, resulting in a lower required bid price. Absent a long-term contract, a standalone merchant BESS of this size faces revenue uncertainty that materially raises financing cost, reduces the number of potential lenders, and can render the project non-financeable on reasonable terms. Without the support of the CPEC revenue contract, when bidding a merchant capital structure, the Bidder would be required to bid a significantly higher price to compensate for the additional equity requirements and higher cost of project finance debt.

5.18 State whether the bidder or its affiliates have executed agreements with respect to energy, CPECs and/or capacity for the proposed project (including any agreements that have been terminated) and provide information regarding the associated term and quantities, and whether bidder has been alleged to have defaulted under or breached any such agreement. State whether the bidder or its affiliates have submitted proposals to other buyers, the status of consideration of such proposals, and the impact of such proposal(s), if they result in an executed contract or contracts, on the proposal(s) submitted in response to this RFP.

Enter appropriate explanation in this space or reference applicable attachment(s)

Neither the Bidder nor any of its affiliates has executed any agreement with respect to energy, CPECs or capacity from the Project, including any agreement that has since been terminated, and neither has been

alleged to have defaulted under or breached any such agreement. Neither the Bidder nor any of its affiliates has submitted a proposal for the Project's energy, CPECs or capacity to any other buyer.

5.19 List all of the Bidder's affiliated entities and joint ventures transacting business in the energy sector.

Enter appropriate explanation in this space or reference applicable attachment(s)

- Dartmouth Power Associates Limited Partnership (Dartmouth Power Plant in Dartmouth, Massachusetts)
- Camden Plant Holding LLC (Camden Power Plant in Camden, New Jersey)
- Roseton Generating LLC (Roseton Power Plant in Newburgh, New York)
- Seneca Power Partners, L.P. (Batavia Power Plant in Batavia, New York)
- Alliance Energy Transmissions, LLC (Batavia Pipeline in Batavia, New York)
- Alliance NYGT, LLC (Shoemaker Power Plant in Middletown, New York and Hillburn Power Plant in Hillburn, New York)
- Sterling Power Partners, L.P. (Sterling Power Plant in Sherrill, New York)
- Power City Partners, L.P. (Massena Power Plant in Massena, New York)
- PowerTransitions Marketing LLC (market participant for Camden Plant Holding in PJM)

The Bidder's sponsor, Partners Group Holdings AG, is also affiliated with a number of other enterprises operating in the broader North American energy and infrastructure space, including Middle River Power, Exus Renewables, Dimension Solar, Lifecycle Power, and others.

5.20 Has Bidder, or any affiliate of Bidder, in the last five years, (a) consented to the appointment of, or been taken in possession by, a receiver, trustee, custodian or liquidator of a substantial part of its assets, (b) filed a bankruptcy petition in any bankruptcy court proceeding, (c) answered, consented or sought relief under any bankruptcy or similar law or failed to obtain a dismissal of an involuntary petition, (d) admitted in writing of its inability to pay its debts when due, (e) made a general assignment for the benefit of creditors, (f) been the subject of an involuntary proceeding seeking to adjudicate that Party bankrupt or insolvent, (g) sought reorganization, arrangement, adjustment, or composition of it or its debt under any law relating to bankruptcy, insolvency or reorganization or relief of debtors?

Enter appropriate explanation in this space or reference applicable attachment(s)

No. Neither the Bidder nor any of its affiliates has, within the last five years, been subject to any of the events described in items (a) through (g) above.

5.21 Briefly describe any known conflicts of interest between bidder or an affiliate of bidder and any Distribution Company, or any affiliates of the foregoing.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder is not aware of any conflict of interest between the Bidder or any of its affiliates and any Distribution Company party to this solicitation, or any affiliate of the foregoing.

5.22 Describe any litigation, disputes, claims, complaints or notices of violation or potential violation involving the project or other energy storage projects involving the bidder or an affiliate of the bidder.

Enter appropriate explanation in this space or reference applicable attachment(s)

There is no litigation, dispute, claim, complaint, or notice of violation or potential violation involving the Project, or any other energy storage project developed, owned, or managed by affiliates of the Bidder.

5.23 Describe any failures by the bidder and/or its affiliates to achieve commercial operation dates under other long-term contracts. Bidders should also provide a credible description of how the current proposed project will avoid similar project delays or development issues.

Enter appropriate explanation in this space or reference applicable attachment(s)

Neither the Bidder nor any of its affiliates has failed to achieve a commercial operation date under any long-term contract. The proposed Project's development team applies disciplined project management practices, proactive risk identification, and experienced execution to avoid similar delays or development issues.

5.24 Describe any litigation, disputes, claims or complaints involving the bidder or an affiliate of bidder, against any Distribution Company or any affiliate of any Distribution Company.

Enter appropriate explanation in this space or reference applicable attachment(s)

There is no litigation, dispute, claim, or complaint involving the Bidder or any of its affiliates, against any Distribution Company or any affiliate of any Distribution Company.

5.25 Describe any litigation, disputes, claims or complaints, or events of default or other failure to satisfy contract obligations, or failure to deliver products, involving bidder or an affiliate of bidder, and relating to the purchase or sale of energy, capacity or environmental attributes or products.

Enter appropriate explanation in this space or reference applicable attachment(s)

There is no litigation, dispute, claim, complaint, event of default, or other failure to satisfy contract obligations or deliver products involving the Bidder or any of its affiliates, relating to the purchase or sale of energy, capacity, or environmental attributes or products.

5.25 Confirm that neither bidder nor any directors, employees or agents of bidder, nor any affiliate of bidder are currently under investigation by any governmental agency, and that none of the above have in the last four years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction involving conspiracy, collusion or other impropriety with respect to bidding on any contract, or have been the subject of any debarment action (detail any exceptions).

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder confirms that, to its knowledge, the Bidder and its affiliates are not, and none of its directors, employees, or agents are, currently under investigation by any governmental agency, and that none of the foregoing has, in the last four years, been convicted of or found liable for any act prohibited by State or Federal law in any jurisdiction involving conspiracy, collusion, or other impropriety with respect to bidding on any contract, or been the subject of any debarment action.

5.26 Identify all regulatory and other approvals needed by bidder to execute a binding sale agreement.

Enter appropriate explanation in this space or reference applicable attachment(s)

DPU approval. Under Section 83E and the RFP, the Long-Term Contract does not become effective or binding until receipt of DPU approval.

FERC market-based rate authority. The Bidder will need to obtain or confirm market-based rate authority from FERC under Section 205 of the Federal Power Act prior to commercial operation. The Bidder will file for market-based rate authorization in advance of commercial operation consistent with applicable FERC requirements and timelines.

Internal corporate authorization. Execution of the Long-Term Contract requires authorization from the sole member of the Bidder, PowerTransitions Energy Development LLC, pursuant to the Bidder's LLC Agreement. No additional third-party consent is required to execute the LTC.

MOU with DOER. The MOU memorializing the Bidder's economic development, environmental justice, and DEI commitments must be executed prior to or simultaneously with the LTC.

5.27 Describe how the project will conform to FERC's applicable regulatory requirements, including, but not limited to, FERC requirements relating to allocation of transmission capacity and open access, the justness and reasonableness of rates, the potential for undue preference or discrimination, and affiliate dealings, if any. Describe how your proposed approach is consistent with FERC precedent and ratemaking principles.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder will conform to all applicable FERC regulatory requirements. The Project will obtain market-based rate authority and will sell energy, capacity, and ancillary services into the ISO-NE markets under the ISO-NE Open Access Transmission Tariff (OATT), consistent with FERC's open-access and transmission-capacity-allocation requirements. Rates for the Project's wholesale market sales are just and reasonable and set through FERC-approved, competitively administered ISO-NE market mechanisms. The Project as bid is consistent with FERC Order Nos. 841 and 2222 (electric storage and distributed-energy-resource participation in RTO/ISO markets) and FERC Order No. 2023 (interconnection queue reform), and interconnects under the ISO-NE tariff. The Bidder will avoid any undue preference or discrimination and will disclose affiliate relationships as required (see response to Question 5.28).

5.28 Describe and document any and all direct and indirect affiliations and affiliate relationships, contractual, financial or otherwise in the past three years between the bidder and one or more of the Distribution Companies and their affiliates, including all relationships in which one of the Distribution Companies or their affiliates has a financial or voting interest (direct or indirect) in the bidder or the bidder's proposed project. These relationships include:

- i. Corporate or other joint arrangements, joint ventures, joint operations whether control exists or not;*
- ii. Minority ownership (50% or less investee);*
- iii. Joint development agreements;*
- iv. Project agreements;*
- v. Operating segments that are consolidated as part of the financial reporting process;*
- vi. Related parties with common ownership;*

vii. Credit, debenture, and financing arrangements, whether a convertible equity feature is present or not;

viii. Wholly owned subsidiaries; and

ix. Commercial (including real property) relationships with any Distribution Company

Enter appropriate explanation in this space or reference applicable attachment(s)

Neither Bidder nor any of its affiliates has any direct or indirect affiliation or affiliate relationship, contractual, financial, or otherwise, with any of the Distribution Companies or their affiliates within the past three years, and none of the Distribution Companies or their affiliates holds a financial or voting interest, direct or indirect, in Bidder, any of its affiliates, or the proposed Project.

Section A-6: Interconnection, Deliverability, and Reliability

Please answer the following questions in Section A-6 for each Transmission Project and Distribution Project being bid:

6.1 Please provide documentation to show evidence of the interconnection request or application to ISO-NE or the applicable Distribution Company. For Transmission Projects, provide evidence of a commitment to interconnect to the ISO-NE PTF at a level equivalent to the Capacity Capability Interconnection Standard, or alternatively at the Network Resource Interconnection Standard under a Surplus Interconnection Service arrangement where the Original Interconnection Customer receives Capacity Network Resource Interconnection Service. For Distribution Projects, provide documentation describing the steps the project will take to screen for and, if applicable, establish equivalent Capacity Network Resource Capability (eCNRC). Please describe the status of any planned interconnection to the grid.

Bidder	Dartmouth Energy Storage LLC
Project	Dartmouth BESS — 220 MW / 4-hour (High Hill 115 kV)
Project type	Transmission Project (interconnection to ISO-NE PTF)
Nameplate / duration	220 MW BESS, 4-hour (880 MWh)
Point of Interconnection (POI)	High Hill 115 kV Switchyard (PTF), Dartmouth, MA
Location / control area	Available parcels at the existing Dartmouth thermal plant site, Dartmouth, MA (SEMA load zone), ISO-NE
Interconnecting Transmission Owner	Eversource (NSTAR Electric)
Independent CCIS study	EPE (attached)
Independent NCIS study	EPE (attached)

The Project, a 220 MW / 880 MWh battery energy storage system to be developed and owned by Bidder, is a Transmission Project that will interconnect to the ISO-NE Pool Transmission Facilities (PTF) at the High Hill 115 kV Switchyard. The Project will be built on approximately 15.5-acre portion of Tax Parcel 67-9 at the Dartmouth thermal plant site, owned in fee by DPA, an affiliate of the Bidder. The Bidder holds site control under an Option and Ground Lease Agreement with DPA dated October 7, 2026 (the “**Option Agreement**”), described in the response to Question 7.2.ii and attached as Attachment 6.2. The Project is electrically and commercially independent of the thermal plant: it will have its own BESS substation and its own revenue metering, and it will not use or alter the thermal plant’s existing interconnection or interconnection service, which remain unchanged. The Option Agreement also grants the Bidder non-exclusive easements over adjacent DPA property for access roads, utilities and drainage (see response to Question 7.2.ii). O&M support services at the shared site are described in response to Question 12.1.

Under FERC Order No. 2023 and ISO-NE's implementing revisions to Schedule 22 of the ISO-NE Open Access Transmission Tariff, a new interconnection request may only be submitted during a Cluster Request Window. The window for ISO-NE's first regular Cluster Study opens October 5, 2026 and closes November 19, 2026. The Bidder will submit its interconnection request within that window with a target filing date of October 27, 2026. As of bid submission, no ISO-NE-assigned queue position, interconnection request number, or executed agreement exists. In the interim, the Bidder commissioned independent NCIS-equivalent and CCIS-equivalent studies from EPE Attachment 6.1, prepared using ISO-NE base cases and current ISO-NE interconnection study practices to demonstrate the project's expected interconnection and capacity deliverability ahead of the ISO-NE Cluster Study. These are shadow studies benchmarked against ISO-NE's Transitional Cluster Study seed cases and Final Report (August 2026); they are not part of, and do not substitute for, the ISO-NE Cluster Study. Separately, EPE has prepared the steady-state modeling portion of the Bidder's ISO-NE Interconnection Request package (detailed and equivalent PSS/E version 35 power flow models, collector system impedance data, and the substation and collector system one-line diagrams), which is attached to this response and will be submitted with the Interconnection Request.

The Bidder commits to submitting a complete Interconnection Request for Capacity Network Resource Interconnection Service (CNRIS) for the full 220 MW of Dartmouth BESS within the October 5 – November 19, 2026 Cluster Request Window. CNRIS is the ISO-NE interconnection service studied under the Capacity Capability Interconnection Standard (CCIS), and is therefore the service level equivalent to the CCIS required by this Solicitation. The request will specify the facility's 220 MW maximum injection and its charging (withdrawal) requirements, and will be accompanied by \$800,000 in cash deposits under Schedule 22 (a \$50,000 initial deposit, a \$250,000 study deposit, and a \$500,000 Commercial Readiness Deposit), a demonstration of 100% Site Control, and the required technical data and models. To demonstrate this commitment and to quantify network upgrade exposure in advance of the ISO-NE filing, the Bidder has commissioned the independent CCIS-equivalent and NCIS-equivalent studies described in Section 6.2. All network upgrades identified in those studies are included in the bid price.

Status of planned interconnection: The BESS parcels are part of the Dartmouth Power Plant property, which is owned by an affiliate of the Bidder. The Dartmouth Power Plant has granted the Bidder an exclusive option to ground lease the BESS parcels under the Option Agreement, giving it the right to develop, construct, operate and maintain the BESS for the project's expected life and satisfying the 100% Site Control requirement of Schedule 22. Section 3.4.2(iv); an access and shared-use agreement with the plant owner will cover shared roads and utility crossings. The independent CCIS-equivalent and NCIS-equivalent studies and the steady-state modeling portion of the Interconnection Request package (PSS/E models, collector system impedance data, and one-line diagrams) are complete and attached. The CNRIS interconnection request will be filed with ISO-NE within the October 5 – November 19, 2026 Cluster Request Window, after submission of this bid response, with a target filing date of October 27, 2026. Supporting evidence attached to this response comprises the CCIS-equivalent study, the NCIS-equivalent study, the PSS/E models, the collector system impedance data, the substation and collector system one-line diagrams, and site control documentation.

6.2 Provide studies that describe the Project’s electrical system performance, its impact to the reliability of the New England Transmission system, how the project would satisfy ISO-NE’s I.3.9 requirements, and how the project, for Transmission Projects, will interconnect at an equivalent to the Capacity Capability Interconnection Standard or, for Distribution Projects, establish eCNRC. Projects that do not have I.3.9 approval from ISO-NE must include technical reports or system impact studies that approximate the ISO-NE interconnection process, including but not limited to clear documentation of study technical and cost assumptions, reasoning, and justification of such assumptions. All projects must also provide analysis that approximates the ISO-NE CCIS interconnection analysis as defined in the applicable ISO-NE Planning Procedure(s). Please also provide the status and expected completion date of any additional interconnection studies already underway with ISO-NE and/or the transmission owner. All studies must follow the current ISO-NE interconnection procedures and detail any assumptions regarding resources ahead of the Project in the ISO-NE interconnection process as defined in the ISO-NE tariff and/or Planning Procedure(s). All network upgrades identified in these studies must be clearly documented and included in the bid price. Provide a copy of an interconnection agreement, if any, executed by the bidder with respect to the proposed project. If an interconnection agreement has not been executed, please provide the steps that need to be completed before an interconnection agreement can be executed and the associated timeline.

Enter appropriate explanation in this space or reference applicable attachment(s)

Two independent studies have been commissioned for Dartmouth BESS (220 MW), together approximating the ISO-NE interconnection study stack for the High Hill point of interconnection:

NCIS-equivalent study — EPE. Evaluates whether the 220 MW facility can interconnect at the High Hill 115 kV PTF bus under the Network Capability Interconnection Standard, in both discharging and charging modes as required for storage under Section 9 of ISO-NE Planning Procedure PP5-6. Starting from ISO-NE’s Transitional Cluster Study NCIS seed cases, with Transitional Cluster projects dispatched per PP5-6 Table 3.5.1.1.1, the study performs N-1 steady-state thermal analysis under Light Load (discharging) and Shoulder Load (charging) conditions. Overloads are recorded at or above 102% of the applicable rating, and the project is associated with an overload where it increases flow by at least 2% and has an observed DFAX greater than 3% with respect to New England load. The study identifies the network upgrades required, including upgrades contingent on the final treatment of Transitional Cluster Study upgrades. The full scope of analysis, assumptions and results is set out in the attached EPE report.

CCIS-equivalent study — EPE. Estimates incremental capacity deliverability (expected Capacity Network Resource Capability, CNRC) under the Capacity Capability Interconnection Standard, following ISO-NE’s CCIS study methodology and PP5-6. Starting from ISO-NE’s Transitional Cluster Study summer peak CCIS seed cases, EPE developed stressed conditions by increasing transfers across key interfaces (including North–South, East–West, and NY–NE) while maintaining N-1 security, and selected representative stress scenarios using a correlation screen of pre-project interface flows. The project is studied in discharging mode by increasing harmer generation on flowgates for which it has a DFAX of at least 3% with respect to New England load, and cost-allocation exposure is assessed where the project also meets the Load Zone DFAX criterion for the binding facility. The study identifies the upgrades needed for the resource to qualify to participate in ISO-NE’s capacity market under Section III.13 of the Tariff (currently the Forward Capacity Market, subject to ISO-NE’s ongoing Capacity Auction Reforms).

Both studies follow current ISO-NE interconnection procedures (Planning Procedures PP5-1, PP5-3, and PP5-6), document their technical and cost assumptions with justification, and state the assumed treatment of higher-queued resources (including Transitional Cluster Study projects, net of withdrawals as of the

study cutoff date stated in the attached report) and Planned transmission projects. Assumptions regarding resources ahead of Dartmouth BESS (220 MW) in the ISO-NE process are set out in the attached EPE report. The studies model Dartmouth BESS as a new, separate injection at High Hill, with the existing Dartmouth thermal plant represented in the base case at its existing interconnection and capability, consistent with ISO-NE practice for existing resources. Where ISO-NE seed cases required dispatch adjustments to solve or to reproduce the stress levels reported in the Final TCS Report, the adjustments are documented in the attached EPE report. All network upgrades identified are documented and included in the bid price (see Section 6.4).

I.3.9 status. No ISO-NE I.3.9 (Proposed Plan Application) approval exists and none can be obtained until an interconnection request is filed and studied in the cluster. The attached independent studies provide the steady-state thermal portion of an I.3.9-equivalent demonstration that the project will not have a significant adverse effect on the reliability or operating characteristics of the interconnected system; short-circuit and stability performance will be evaluated by ISO-NE in the Cluster Study.

Status and expected completion of ISO-NE / TO studies. No ISO-NE or Transmission Owner study is yet underway, for the cluster-timing reason stated in 6.1. The anticipated ISO-NE sequence and indicative timeline is: (1) file CNRIS interconnection request in the Oct 5 – Nov 19, 2026 Cluster Request Window; (2) ISO-NE request validation, Customer Engagement Window, and Cluster Study scoping meeting (expected Q4 2026 – Q1 2027); (3) Cluster Study (expected 2027); (4) Cluster Restudy, if required; (5) Interconnection Facilities Study; (6) tender, negotiation, and execution of the Large Generator Interconnection Agreement (expected 2028). These milestone dates are ISO-NE-driven and indicative.

Interconnection agreement. No interconnection agreement has been executed. The steps required before an IA can be executed are those numbered (1)–(6) above; execution follows completion of the cluster study work and resolution of cost allocation for identified network upgrades.

	Item	Status	Explanation
i.	Completed I.3.9 approval or I.3.9-equivalent study	☒ Attached (I.3.9-equivalent)	ISO-NE I.3.9 (Proposed Plan Application) approval not obtainable before the Cluster Study; independent CCIS/NCIS studies attached as the I.3.9-equivalent reliability demonstration.
ii.	Completed CCIS-equivalent study	☒ Attached	EPE CCIS-equivalent study attached.
iii.	Executed Interconnection Agreement	☐ Not attached	None executed; CNRIS request to be filed within the Oct 5 – Nov 19, 2026 Cluster Request Window, after bid submission. Steps/timeline per 6.2 above.

	Item	Status	Explanation
iv.	Other studies (ISO-NE, EDC, or bidder)	☒ Attached	EPE NCIS-equivalent study attached.

6.3 If multiple Transmission Project interconnection requests or Distribution Project interconnection applications have been made, please specify all such active requests which have not been superseded by subsequent requests and information regarding the status of each. Provide copies of any requests made and studies completed.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder has made no prior ISO-NE interconnection request for Dartmouth BESS (220 MW), and there are no other active or superseded requests for this project. The existing Dartmouth thermal plant's interconnection is separate and is not a request for this project. As explained in 6.1, ISO-NE requests may only be filed during a Cluster Request Window; the request for this project will be filed in the October 5 – November 19, 2026 window.

Copies of any requests and completed studies:

The completed independent CCIS and NCIS studies are attached; no ISO-NE interconnection request documents exist yet.

6.4 Please provide cost estimates for any and all necessary network (transmission and/or distribution) upgrades identified in the studies identified in 6.2, or otherwise known to the bidder, and any payments that have been made towards those upgrades.

Enter appropriate explanation in this space or reference applicable attachment(s)

EPE's independent CCIS-equivalent and NCIS-equivalent studies for Dartmouth BESS (220 MW) at High Hill show that the project directly causes only one network upgrade: the 2.4-mile High Hill–Industrial Park 115 kV line, estimated at \$6.0 million. The other facilities identified in the studies were either already overloaded before the project was added, or already have upgrades identified by ISO-NE for earlier-queued Transitional Cluster Study projects. The table below separates these categories. The bid price includes the direct upgrade and the potential CCIS allocation. All figures are planning-level estimates; ISO-NE will determine the final upgrade scope and cost allocation through its detailed Cluster Study.

Upgrade category	Description	Estimate
Direct upgrade caused by the project	High Hill–Industrial Park 115 kV line (2.4 mi), reconductor. The only new overload attributable to the project: the line was not overloaded before the project and was not identified in the Transitional Cluster Study. This one upgrade addresses both the CCIS (discharging) and NCIS (charging) results.	\$6,000,000

Upgrade category	Description	Estimate
Potential CCIS allocation (pre-existing overload)	West Walpole–Stoughton 345 kV line (9 mi). Already overloaded before the project (108.7%) in one of four stress scenarios; the project adds 1.7 percentage points. Identified by EPE as a potential, not confirmed, cost-allocation risk; any share would be set by ISO-NE.	Up to \$22,500,000
Contingent upgrades assigned to Transitional Cluster projects	Grand Army–W4S/X3S–Pottersville 115 kV corridor (QP1412) and Sherman Road–ES_347_RIE 345 kV line (QP1365, QP1515, QP1518, QP1542, QP1546). ISO-NE’s Final Transitional Cluster Study already identifies these upgrades for earlier-queued projects. They would fall to this project only if those projects withdraw and the upgrades shift to the next cluster; EPE’s planning estimate in that case is \$84.0M.	Not assigned to project (contingent)
		\$9,800,000
Direct interconnection facilities	BESS substation with three 115/34.5 kV main power transformers, 115 kV and 34.5 kV breakers, protection & controls, and metering (Bidder-owned); new 115 kV line terminal/breaker position at High Hill (Eversource-owned, project-funded)	\$26,000,000
Estimated total (in bid price)		\$64,300,000

Cost allocation note. ISO-NE applies participant funding to generator interconnections: the Interconnection Customer pays for the Network Upgrades required for its interconnection, and these costs are not socialized to regional transmission customers. Under the Order 2023 cluster framework, study-identified Network Upgrade costs are allocated among the Interconnection Customers in the cluster, with shared upgrades allocated by relative system impact; the figures above reflect the independent studies’ estimate of this project’s expected cost responsibility. ISO-NE will study the project in detail in the Cluster Study, and final upgrade requirements and cost responsibility will be determined there. The generator-tie line and BESS substation are Bidder-owned interconnection facilities whose cost is borne entirely by the Bidder, and the Eversource facilities at High Hill required to connect the project are likewise project-funded. Payments made to date toward upgrades: none as of bid submission. At filing, the Bidder will post the Schedule 22 study deposit and satisfy the commercial readiness requirements; these are study and readiness deposits, not payments toward upgrades.

6.5 Provide the electrical models for both Transmission and Distribution Projects for transmission level power flow analysis of all energy resources supporting the proposed project in accordance with the filing requirements of the ISO-NE Tariff Schedule 22 and 23. Distribution Projects should indicate the substation bus (not feeder) at which injected power is expected. NOTE: Short-circuit, stability, and PSCAD models are not required.

i. Power flow modeling data attached: ☒ Yes — file(s):

PSS/E power flow model files as listed in the attached Interconnection Request model package

Power flow models for Dartmouth BESS (220 MW) are provided consistent with the model data requirements of ISO-NE Tariff Schedule 22 (Large Generator Interconnection Procedures), which governs this facility; Schedule 23 applies only to facilities of 20 MW or less. Two PSS/E version 35 standalone plant models are attached: a detailed model representing all 76 inverters, their step-up transformers and the 13 collection feeders, and an equivalent model aggregating the plant into three units (81, 52 and 87 MW net). Both models connect to the High Hill 115 kV Point of Interconnection and deliver approximately 221 MW net at the POI at full discharge (232 MW gross at the inverters, net of station service and losses), with charging capability of approximately 209 MW at the inverters. Collector system impedance data are also attached. These are the models that will be submitted with the Interconnection Request on October 27, 2026. The CCIS-equivalent and NCIS-equivalent studies described in Section 6.2 were performed separately, using ISO-NE's Transitional Cluster Study cases with the project represented at the High Hill POI. Short-circuit, stability and PSCAD models are not included, as they are not required by the Solicitation.

ii. Power flow modeling data attached: ☒ Yes — file(s):

- Attachment 6.3: Dartmouth_Storage_220_MW_NET_Detailed_Plant_Model_V35_10-05-2026.RAW
- Attachment 6.4: Dartmouth_Storage_220_MW_NET_Equivalent_Plant_Model_V35_10-05-2026.RAW
- Attachment 6.5:
Dartmouth_Storage_220_MW_Net_Collector_System_Impedance_Data.xlsx

6.6 Provide a copy of an electrical one-line diagram showing the interconnection facilities, the relevant facilities of the transmission and/or distribution provider, and any required network upgrades identified in the studies required in section 6.8 of this document

i. *Electrical one-line diagram attached: ☒ Yes — drawings:*

- Attachment 6.6: Dartmouth Storage (220 MW Net) Simplified One Line Diagram (1 sheet)
- Attachment 6.7: Collector System One Line Diagram (3 sheets), Rev. 0, October 5, 2026 (preliminary; not for construction)

Enter appropriate explanation in this space or reference applicable attachment(s)

Substation and collector system one-line diagrams are attached. They show the Dartmouth BESS (220 MW) interconnection facilities: three BESS units (81 MW, 52 MW and 87 MW net) on 13 medium-voltage collection feeders; three 115/34.5 kV main power transformers; the 115 kV BESS substation bus and breakers; revenue, project check and wholesale storage load metering; and the Point of Interconnection and point of change of ownership at the High Hill 115 kV Substation. Network upgrades identified in the studies are described in Sections 6.2 and 6.4 and in the attached EPE report.

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| i. | <p>Electrical one-line diagram attached: ☒ Yes — drawings:</p> <p><u>Attachment 6.6</u>: Dartmouth Storage (220 MW Net) Simplified One Line Diagram (1 sheet)</p> <p><u>Attachment 6.7</u>: Collector System One Line Diagram (3 sheets), Rev. 0, October 5, 2026 (preliminary; not for construction)</p> |
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6.7 Specify and describe the current or new interconnection facilities (lines, transformers, switching equipment, system protection and controls, etc.) that bidder owns or is intending to construct or have constructed in order to deliver the proposed energy, to the extent presently known.

Enter appropriate explanation in this space or reference applicable attachment(s)

To deliver the proposed energy, the Bidder will construct the following interconnection facilities for Dartmouth BESS (220 MW), as shown on the attached one-line diagram: three BESS units of 81 MW, 52 MW and 87 MW net, comprising 76 inverters on 13 34.5 kV collection feeders; three 115/34.5/13.8 kV main power transformers with on-load tap changers (top ratings of 95, 60 and 102 MVA), within a dedicated BESS substation built on available parcels at the Dartmouth thermal plant site; a 115 kV substation bus with a breaker for each transformer; connecting the BESS substation to the High Hill 115 kV Substation; substation protection and control, including relaying, transfer trip, a digital fault recorder and an RTU; auxiliary power with a backup generator; and revenue, project check and wholesale storage load metering. A new 115 kV line terminal/breaker position at the High Hill PTF substation will be designed and constructed by Eversource as Interconnecting Transmission Owner, at the project's expense.

Facility ownership. The BESS substation and the generator-tie line are Bidder-owned interconnection facilities, constructed at the Bidder's cost. As shown on the one-line diagram, the point of change of ownership with Eversource is at the Point of Interconnection at the High Hill 115 kV Substation, where the ISO-NE revenue metering will be located; final demarcation will be set in the interconnection agreement.

Facilities to be constructed are itemized above and on the attached one-line diagram. Inverter control features, including any grid-forming capability, will be confirmed with the selected inverter vendor.

6.8 Please detail with supporting information and studies (as available) that the production/delivery profile contemplated in your proposal reflects constraints or curtailments, if any, after the upgrades that are expected to take place for a Transmission Project, pursuant to interconnection at an equivalent to the CCIS. For a Distribution Project, detail any transmission or distribution upgrades expected to take place to establish eCNRC, to the extent presently known. If you are planning to make voluntary upgrades beyond those associated with the CCIS-equivalent standard or the eCNRC, please describe the transmission and/or distribution network upgrades necessary, their estimated cost (for which the bidder would have cost responsibility), and the impact on the proposed generation schedule by reducing remaining constraints or curtailments.

Enter appropriate explanation in this space or reference applicable attachment(s)

After completion of the CCIS-identified network upgrades (the High Hill–Industrial Park 115 kV and West Walpole–Stoughton 345 kV upgrades, both included in the bid price), EPE’s CCIS-equivalent study indicates that the full 220 MW is deliverable at the High Hill POI, with no further CCIS constraints attributable to the project under the four stress scenarios studied. No NCIS impacts were recorded for the project in discharging mode. The NCIS-equivalent study identifies charging (withdrawal) as the principal transmission constraint before upgrades. Charging overloads the High Hill–Industrial Park 115 kV line, which the direct upgrade in response to Question 6.4 resolves. It also adds to loading on the Grand Army–W4S/X3S–Pottersville 115 kV corridor and the Sherman Road–ES_347_RIE 345 kV line, for which ISO-NE’s Transitional Cluster Study has already identified upgrades for earlier-queued projects. Until the associated upgrades are in service, charging may be limited under specific system conditions. As a 4-hour storage resource, the delivery profile is dispatchable, and both discharging and charging can be scheduled within any residual constraint during Clean Peak periods without impairing the proposed capacity contribution.

Voluntary upgrades. The Bidder does not plan to make voluntary upgrades beyond those associated with the CCIS-equivalent standard; all network upgrades identified in the CCIS and NCIS studies are included in the bid price. Accordingly, no additional voluntary-upgrade scope, cost, or schedule impact applies (N/A).

Section A-7: Siting, Permitting and Community Support

Please answer the following questions in Section A-7 for each Transmission Project and Distribution Project being bid:

7.1 Provide a site plan (or plans) including a map (or maps) that clearly identifies the location of the proposed project site, energy storage project locations, the assumed right-of-way width, the total acreage for the Energy Storage System, the anticipated interconnection point (or, if applicable, multiple interconnection points), the related transmission and interconnection facilities, deployment facilities, and the relationship of the site to other local infrastructure, including transmission and distribution facilities, roadways, federal and state waters, and waterways. In addition to providing the required map(s), provide a site layout plan which illustrates the location of all major equipment and facilities described above

Plan included? Yes ☒ No ☐ If not, please explain:

Please see Attachment 7.1, which provides the site plan and layout for the proposed Dartmouth Energy Storage System. The attachment identifies the project site and boundaries, energy storage project location, assumed right-of-way width, total project acreage, anticipated interconnection point, and associated transmission, interconnection, and deployment facilities. It also illustrates the location of all major equipment and facilities and the project's relationship to surrounding infrastructure, including transmission and distribution facilities, roadways, and federal and state waters and waterways.

7.2 Identify any real property rights (e.g., fee-owned parcels, rights-of-way, development rights or easements or leases, or options to purchase or lease) that provide the right to use the energy storage site any rights of way needed for interconnection.

i. Does the project have a right to use the eligible facility site for the entire proposed term of the LTC (e.g., by virtue of ownership or land development rights obtained from the owner)?

Yes ☒ No ☐ If not, please explain.

Yes. DPA, an affiliate of the Bidder, owns the site in fee simple. The Bidder holds the right to use and control the site for the full LTC term under the Option Agreement with DPA. The recorded deed is Attachment 7.2-A and the Option Agreement is Attachment 7.2-B.

ii. If so, please detail the bidder's rights to control the Energy Storage System site and interconnection locations.

The project involves two distinct real-property locations:

BESS project site. Dartmouth Power Associates Limited Partnership ("DPA"), an affiliate of the Bidder, holds fee title to the BESS project site under a Quitclaim Deed recorded March 3, 2000 with the Bristol County South District Registry of Deeds at Book 4633, Page 277. Chicago Title Insurance Company Commitment for Title Insurance (ATR No. 1141081), effective December 13, 2024, confirms that fee simple title is vested in DPA. The Bidder holds site control under an Option and Ground Lease Agreement between the Bidder and DPA executed on October 7, 2026 (the "**Option Agreement**") and attached as Attachment 7.2-B. The Option Agreement grants the Bidder an exclusive and irrevocable option to ground lease an approximately 15.5-acre portion of parcel 67-9) as the BESS project site, together with non-exclusive easements over DPA adjacent property for access roads, utilities and drainage, and transmission

facilities. On exercise, the lease runs for a base term of 35 years with 3 extension terms of 5 years each, which covers the full LTC term plus construction and decommissioning. The Option Agreement includes leasehold mortgage protections to support project financing.

High Hill substation interconnection location. Rights to access to the High Hill substation for interconnection facilities, will be obtained through: the ISO-NE interconnection agreement and associated facility connection rights at High Hill as the point of interconnection, which will be established through the ISO-NE CNRIS process. The High Hill interconnection-location rights are executed as of the date of this proposal; the plan and timeline for securing them are described in 7.2.iii below.

iii. Describe the status of acquisition of real property rights, any options in place for the exercise of these rights and describe the plan for securing the necessary real property rights, including the proposed timeline. Include these plans and the timeline in the overall project timeline.

BESS project site. Site control is secured through the executed Option Agreement with DPA, the fee owner.

High Hill substation interconnection location. The right to locate interconnection facilities at or adjacent to the High Hill substation will be established through the ISO-NE interconnection agreement executed as part of the CNRIS process, and through any associated real-property arrangement with Eversource as required to construct and operate the gen-tie termination and protection equipment at High Hill. Bidder plans to coordinate with Eversource on the interconnection-facility design and any necessary real-property rights concurrently with the ISO-NE cluster study process, targeting resolution by Q4 2027 consistent with the Phase 3 construction schedule.

iv. Identify any joint use of existing or proposed real property rights

Existing. The Project site is subject to joint use through the existing transmission and natural-gas rights-of-way that cross the parcel and the shared on-site infrastructure associated with the adjacent operating DPA Plant. The CIA buildable-area analysis accounts for the existing ROW corridor and plant setbacks.

High Hill substation. The High Hill substation is a PTF facility and shared by multiple transmission customers. Bidder will target the substation as its point of interconnection and will require access for interconnection equipment and protection systems; this shared-use arrangement will be governed by the ISO-NE interconnection agreement and any associated Eversource facility-use arrangement.

v. Provide a copy of each of the leases, agreements, including option agreements, easements, rights of way and related documents granting the right to use the energy storage system site and transmission and interconnection locations (and applicable letters of intent if formal agreements have not been executed)

BESS project site. Attached as Attachment 7.2-A is the recorded deed evidencing DPA's fee ownership. Attachment 7.2-B is the Option Agreement covering the approximately 15.5-acre Project site.

High Hill substation. No real-property or facility-use agreement with Eversource for the High Hill interconnection location has been executed as of the date of this proposal. The interconnection-location rights will be established through the ISO-NE interconnection agreement; Bidder will provide that agreement upon execution following the ISO-NE cluster study process.

7.3 Provide evidence that the Energy Storage System site and interconnection locations are properly zoned or permitted. If the Energy Storage System site and interconnection locations are not currently

zoned or permitted properly, identify present and required zoning and/or land use designations and permits and provide a permitting plan and timeline to secure the necessary approvals.

The Project site is located in the Town of Dartmouth's Limited Industrial (LI) zoning district. Evidence of the current zoning designation, including the applicable zoning map and relevant provisions of the Town's Zoning Bylaw, is provided figure 9, in the CIA.

Based on the Bidder's review of the Town's Zoning Bylaw, battery energy storage systems are neither expressly identified as a permitted use nor specifically prohibited in the LI district. The Project has not yet obtained its required land-use and construction permits. As a near-term development activity, and in preparation for its EFSB application, the Bidder will confirm the Project's local zoning requirements with the Town, including the applicability of Article 24 site-plan review and whether any special permit, discretionary approval, or zoning relief would otherwise be required.

At 880 MWh, the Project qualifies as a Large Clean Energy Storage Facility under M.G.L. c. 164, § 69G. Accordingly, the Bidder intends to pursue an Energy Facilities Siting Board (EFSB) under Massachusetts' consolidated permitting framework (M.G.L. c. 164, § 69T and 980 CMR 13.00), covering the Project's required state, regional, and local approvals. To the extent that relief from the Dartmouth Zoning Bylaw is required, the Bidder will include the applicable zoning-exemption request in its EFSB application. The Project's interconnection facilities and locations will also be included in the application and evaluated under the consolidated permitting process.

As an EFSB-jurisdictional facility, the Project is exempt from separate review under the Massachusetts Environmental Policy Act (MEPA). The Bidder will consult with the MEPA Office and other state agencies during EFSB pre-filing, and will complete the environmental-justice, cumulative-impact, and public-engagement requirements of the EFSB process. Please see Section 10, Project Schedule, which includes the permitting plan and proposed timeline.

7.4 Permitting plan and timeline - Enter appropriate explanation in this space or reference applicable attachment(s) Start Date: End Date:

Please refer to Attachment 10.1, “Dartmouth Project Schedule,” for the detailed permitting plan, including anticipated start and completion dates.

Permitting mobilization and confirmation of EFSB jurisdiction	2026-10	2026-11
EFSB pre-filing consultation, municipal coordination, and community engagement	2026-11	2027-06
Environmental and technical studies and preliminary engineering	2027-01	2027-06
EFSB site-suitability and cumulative-impact analyses	2027-01	2027-06
MEPA consultation and environmental review, if required	2027-01	2027-07
Massachusetts Historical Commission/SHPO, Tribal, and federal historic-resource consultation	2027-04	2028-06
U.S. Fish and Wildlife Service and Massachusetts Natural Heritage review	2027-04	2028-06
EFSB Consolidated Permit application preparation and filing	2027-03	2027-07
EFSB application completeness review	2027-07	2027-09
EFSB adjudicatory review and issuance of Consolidated Permit	2027-09	2028-11
Town of Dartmouth zoning, site-plan, conservation, stormwater, and agency review incorporated into the EFSB proceeding	2027-07	2028-12
Clean Water Act Sections 404 and 401 review, if triggered	2027-07	2028-06
Federal Aviation Administration notice and obstruction determinations	2028-04	2028-06
ISO-NE and transmission-owner facilities requirements and final interconnection agreement	2028-04	2028-11
Final civil and electrical design, fire-safety review, emergency-response plan, and decommissioning plan	2028-04	2028-12
Building, electrical, fire, street-opening, and other ministerial construction permits	2028-10	2029-01
USEPA NPDES Construction General Permit coverage and Stormwater Pollution Prevention Plan	2028-12	2028-12

7.5 Provide a description of the area surrounding the Energy Storage System site and interconnection locations, including a description of the local zoning, flood plain and aquifer information, existing land or waterway use, and setting.

The proposed Energy Storage System and associated interconnection facilities would be located at 1 Energy Road in northern Dartmouth, Bristol County, Massachusetts. The site is an existing developed energy facility containing power-generation equipment, electrical infrastructure, internal access roads, and other industrial improvements. Energy Road provides access from Old Fall River Road. The surrounding area has a mixed rural-industrial character, including wooded land, open fields, utility infrastructure, several ground-mounted solar installations, and scattered residential properties. Faunce Corner Road and established commercial and industrial development are located east of the site.

The property is located in the Town of Dartmouth’s Limited Industrial (LI) zoning district. The Town’s zoning bylaws do not expressly identify battery energy storage systems as an allowed or prohibited use in this district. Accordingly, consultation with the Town is required to confirm the applicable land-use approvals, which may include Planning Board Site Plan Review and a Special Permit or through the permitting and zoning exemption processes at the EFSB.

A review of the Town's mapped flood-hazard information indicates that the project parcel and anticipated interconnection area are outside the mapped Floodplain Overlay District and outside FEMA-designated Special Flood Hazard Areas, including Zones A, AE, and VE. The developed project area therefore appears to be within an area of minimal mapped flood hazard, generally corresponding to FEMA Zone X. The final project layout should nevertheless be compared with the effective FEMA Flood Insurance Rate Map and confirmed through the project's civil survey.

The Town's Aquifer Protection Overlay District mapping indicates that the Project parcel is outside mapped Aquifer Protection Zones I, II, and III. Consequently, the project is not presently expected to be subject to the additional requirements of the Aquifer Protection Overlay District. This determination should be reconfirmed against the final surveyed project and interconnection limits.

No surface-water body is located within the existing developed portion of the site proposed for the Energy Storage System. The broader area contains forested wetlands, drainage features, and water resources associated with the Paskamansett River watershed. The project is expected to use previously disturbed industrial land and existing utility corridors and to avoid direct impacts to wetlands and surface waters. Wetland boundaries and applicable local and state buffer zones will be confirmed through field delineation before the final design is completed.

7.6 If the bidder does not have interconnection facilities site control describe the status of the plan to obtain that control.

High Hill substation. The right to locate interconnection equipment at the High Hill substation will be established through the ISO-NE interconnection agreement executed as part of the CNRIS process following the ISO-NE 2026 cluster request window, and through any associated real-property or facility-use arrangement with Eversource Energy as the transmission owner. The Bidder will coordinate with Eversource on interconnection-facility design and access rights concurrently with the ISO-NE cluster study.

Both streams of site-control activity are reflected in the Phase 1 and Phase 3 milestones of the A-10 critical-path schedule and are targeted for completion in advance of the construction start.

7.7 Provide a list of all the permits, licenses, and environmental assessments and/or environmental impact statements required to construct and operate the project and progress towards each of them to date. Along with this list, identify the governmental agencies and municipalities that are responsible for issuing approval of all the permits, licenses, and environmental assessments and/or environmental impact statements. If a bidder has secured any permit or has applied for a permit, please indicate this in the response.

Bidder proposes to develop the Project would includes the battery enclosures, inverters, transformers, electrical collection equipment, control and safety systems, access and stormwater improvements, and associated interconnection facilities.

Bidder has secured site control through the Option Agreement and completed a preliminary critical-issues review and permitting assessment. Based on the project information currently available, no permit applications have been submitted and no permits or licenses have been issued. The Project is presently in the environmental-study, interconnection-planning, preliminary-engineering, and pre-application phase.

Because the Project would have a rated energy-storage capacity of 880 MWh, it qualifies as a Large Clean Energy Storage Facility under M.G.L. c. 164, § 69G. The Massachusetts Energy Facilities Siting Board ("EFSB") therefore has jurisdiction over the project's consolidated state, regional, and local permitting process under M.G.L. c. 164, § 69T. The underlying state and municipal approvals identified below are expected to be evaluated and incorporated into the EFSB Consolidated Permit rather than obtained through separate, sequential proceedings. Applicable federal approvals will remain separate.

Permit, approval, or assessment	Responsible agency or municipality	Applicability and progress to date
EFSB Consolidated Permit for a Large Clean Energy Storage Facility	Massachusetts Energy Facilities Siting Board	Required because the project is rated at 880 MWh. The permit will consolidate applicable state, regional, and local construction and land-use approvals. Pre-filing consultation and application preparation have not yet commenced formally; no application has been filed.
Pre-filing consultation and community engagement	EFSB, Massachusetts Executive Office of Energy and Environmental Affairs, MEPA Office (consultation), Town of Dartmouth, state permitting agencies, and affected stakeholders	Required before submission of the EFSB application. Activities will include agency consultation, public meetings, host-community engagement, environmental-justice outreach, and filing of the required pre-filing notices and completion checklist. Initial permitting and site-constraint reviews have been completed; formal engagement remains pending.
Site-suitability assessment and cumulative-impact analysis	EFSB and Massachusetts Executive Office of Energy and Environmental Affairs	Required components of the EFSB application. The analysis will address environmental resources, public health and safety, environmental-justice populations, existing community burdens, alternatives, and avoidance, minimization, and mitigation measures. A preliminary critical-issues assessment has been completed; the formal analyses remain to be prepared.
Local zoning, Special Permit, and Site Plan Review	Town of Dartmouth Planning Board and other applicable municipal departments, through the EFSB consolidated process	The property is in the Limited Industrial zoning district. The Town's bylaws do not expressly identify BESS facilities as an allowed or prohibited use in that district. Applicable zoning, site-plan, setback, landscaping, noise, lighting, access, and decommissioning requirements will be addressed through the EFSB Consolidated Permit in consultation with the Town. No local or EFSB application has been filed.
Wetlands Protection Act review and Order of Conditions	Town of Dartmouth Conservation Commission and Massachusetts Department of Environmental Protection, through the EFSB consolidated process	Required if work is proposed within wetlands, riverfront areas, or regulated buffer zones. The current concept is intended to avoid direct wetland and surface-water impacts. A formal wetland delineation and survey-level confirmation remain to be completed. No Notice of Intent has been filed.

Permit, approval, or assessment	Responsible agency or municipality	Applicability and progress to date
Local stormwater-management and erosion-control approval	Town of Dartmouth Department of Public Works and other applicable municipal departments, through the EFSB consolidated process	Expected for grading, drainage, and land-disturbance activities. Civil design, stormwater calculations, and erosion-control plans remain to be prepared. No application has been filed.
NPDES Construction General Permit coverage and Stormwater Pollution Prevention Plan	U.S. Environmental Protection Agency, Region 1	Expected because project construction is anticipated to disturb at least one acre. A Stormwater Pollution Prevention Plan will be prepared, and a Notice of Intent will be submitted before construction. No Notice of Intent has been filed.
Endangered Species Act consultation and federal wildlife review	U.S. Fish and Wildlife Service, New England Ecological Services Field Office	Anticipated in support of federal permitting. An Information for Planning and Consultation review, species assessment, and any necessary consultation under the Endangered Species Act, Migratory Bird Treaty Act, and Bald and Golden Eagle Protection Act will be completed after the disturbance and vegetation-clearing limits are established. No formal consultation has been initiated.
Massachusetts Endangered Species Act review, if applicable	Massachusetts Division of Fisheries and Wildlife, Natural Heritage and Endangered Species Program, through the EFSB consolidated process	Required if the project overlaps mapped Priority or Estimated Habitat or could affect state-listed species. Desktop review and field assessment will confirm applicability. No filing has been made.
Historic and archaeological-resource review, including Tribal consultation	Massachusetts Historical Commission, through the EFSB consolidated process; interested Tribal Historic Preservation Offices, and applicable federal agencies	A Project Notification Form, cultural-resource desktop review, and archaeological or historic-architecture surveys may be required. Section 106 consultation will be completed if a federal permit or approval creates a federal nexus. No Project Notification Form has been filed.
FAA obstruction evaluation and Form 7460-1 notice	Federal Aviation Administration	Anticipated due to the project's proximity to New Bedford Regional Airport and the possible use of construction cranes or equipment exceeding FAA notice criteria. Requirements will be confirmed when final equipment and crane heights are known. No notice has been filed.
ISO-New England interconnection approval and interconnection agreement	ISO-New England and the affected transmission owner, anticipated to be Eversource/NSTAR Electric	Required to interconnect and operate the 220 MW facility. Interconnection planning is underway. The required system-impact and facilities studies, cost allocation,

Permit, approval, or assessment	Responsible agency or municipality	Applicability and progress to date
		technical requirements, and interconnection agreement remain to be completed. No final interconnection approval or executed interconnection agreement has been obtained.
Building, electrical, mechanical, and occupancy permits	Town of Dartmouth Building Department and Electrical Inspector, or through the consolidated EFSB process	Required before construction and operation. These ministerial permits will be requested following EFSB approval and completion of final engineering, pursuant to EFSB compliance processes or as necessary and not included in the EFSB process. No permits have been issued.
Fire Department and energy-storage safety approvals	Town of Dartmouth Fire Department and Massachusetts State Fire Marshal, as applicable, or through the consolidated EFSB process	Required to demonstrate compliance with the Massachusetts Fire Code and applicable BESS safety standards. Submittals will address equipment certification, separation distances, emergency access, fire detection and suppression, thermal-runaway protection, hazard-mitigation analysis, emergency-response procedures, and applicable NFPA and UL standards. Coordination will occur during detailed design; no approval has been issued.
Street-opening, driveway, and public-right-of-way permits	Town of Dartmouth Department of Public Works and MassDOT, if a state-controlled roadway is affected, or through the consolidated EFSB process	Required only if construction or interconnection work affects a public roadway or right-of-way. The project will use existing site access and utility corridors where practicable. Applicability remains to be confirmed.
Construction dewatering or discharge authorization	U.S. Environmental Protection Agency and/or Massachusetts Department of Environmental Protection	Required only if excavation or construction dewatering produces a regulated discharge. Applicability will be determined through geotechnical investigation and final excavation design.
Operational industrial-stormwater authorization or modification	U.S. Environmental Protection Agency and the existing facility operator, as applicable	The need to modify an existing industrial-stormwater authorization or obtain separate coverage will be evaluated because the BESS would be colocated with an operating energy facility. No modification has been requested.
Air-quality approval for emergency equipment, if applicable	Massachusetts Department of Environmental Protection, or through the consolidated EFSB process	The BESS itself is not expected to require an air permit. A permit or exemption determination may be required if the final design includes a regulated emergency generator or other fuel-burning equipment.

Permit, approval, or assessment	Responsible agency or municipality	Applicability and progress to date
Hazardous-material and spill-prevention compliance	U.S. Environmental Protection Agency, Massachusetts Department of Environmental Protection, Town of Dartmouth Fire Department, and State Fire Marshal, as applicable; state and local requirements through the EFSB consolidated process	The final transformer-oil volumes, battery chemistry, fuels, and other regulated materials will be reviewed to determine applicable registration, storage, reporting, spill-prevention, and emergency-planning requirements. Required plans will be prepared during detailed design.

Several additional permits or approvals are not currently anticipated but could become necessary if certain unexpected conditions are encountered, including Clean Water Act Section 404 authorization from the U.S. Army Corps of Engineers and a related Section 401 Water Quality Certification, which would be obtained through the EFSB consolidated process, if final design requires a discharge of dredged or fill material into federally regulated waters.

The environmental and technical record supporting these approvals is expected to include:

- Wetland and water-resource delineations;
- Threatened and endangered species reviews;
- Cultural and archaeological-resource studies;
- Noise, visual, lighting, and traffic assessments;
- Stormwater, drainage, and erosion-control analyses;
- Geotechnical and groundwater investigations;
- Site-suitability and cumulative-impact analyses;
- Environmental-justice and public-health evaluations;
- Fire-safety and hazard-mitigation analyses;
- Emergency-response and first-responder training plans;
- Construction and operations plans;
- Spill-prevention and hazardous-material management plans; and
- Decommissioning, financial-assurance, and site-restoration plans.

The permit register will be updated as the ISO-New England interconnection process advances, agency pre-filing consultation is completed, environmental field studies are performed, and the project's civil, electrical, fire-safety, and interconnection designs are finalized.

7.8 Provide the anticipated timeline for seeking and receiving the required permits, licenses, and environmental assessments and/or environmental impact statements. Include a project approval assessment which describes, in narrative form, each segment of the process, the required permit or approval, the status of the request or application and the basis for projection of success by the milestone date. All requirements should be included in the project schedule in Section 10.

Bidder anticipates completing the principal permitting and environmental-review process for the proposed Project by the fourth quarter of 2028, followed by final ministerial permits, construction, commissioning, and operational approvals.

Because the facility would exceed Massachusetts' 100 MWh threshold, it will be permitted as a Large Clean Energy Storage Facility through the Massachusetts Energy Facilities Siting Board ("EFSB"). The EFSB Consolidated Permit will address applicable state, regional, and local approvals. Federal authorizations, the ISO-New England interconnection process, and any post-siting ministerial permits not issued by the EFSB will proceed concurrently where practicable.

No permit applications have been submitted, and no permits or licenses have been issued. The Section 10 project schedule incorporates the following permitting and approval milestones.

7.9 Provide information

(a) demonstrating past and current productive relationships with host communities, federally recognized and state acknowledged tribes, Environmental Justice communities and other stakeholders; and

Bidder develops energy projects in coordination with host communities, state and regional agencies, and other stakeholders across the Northeast. Bidder plans to engage the Town of Dartmouth (Select Board, Planning Board, Conservation Commission, Fire Department, and Board of Health), regional workforce and educational institutions (Bristol Community College, UMass Dartmouth), and, as identified in the CIA, the tribes with potential interest in the Project — the Mashpee Wampanoag Tribe, the Mohegan Tribe of Indians of Connecticut, the Narragansett Indian Tribe, and the Wampanoag Tribe of Gay Head (Aquinnah) — through the EFSB pre-filing process.

(b) demonstrating your track record of avoiding, minimizing, and mitigating environmental, tribal, and environmental justice impacts from energy storage projects similar to the proposed project.

Bidder intends to avoid or mitigate environmental and community impacts on similar energy storage projects through siting on previously developed, grid-connected land, agency pre-consultation, and design measures that avoid sensitive resources.

7.10 Provide documentation identifying the level of public support for the project including letters from public officials, newspaper articles, etc. Include information on specific host community and localized support and/or opposition to the project of which the bidder is aware. Provide copies of any agreements with communities and other constituencies impacted by the project. Provide a stakeholder map and a plan for community engagement activities and targeted stakeholder outreach.

The Project is presently in the preliminary development, environmental-review, and interconnection-planning stage. Formal public outreach has not yet begun, and Bidder has not solicited letters of support from public officials, community organizations, or other stakeholders. No newspaper articles or other media coverage concerning the proposed project have been identified.

Bidder is not currently aware of organized community opposition to the Project. However, because formal stakeholder outreach has not yet occurred, the absence of known opposition should not be interpreted as evidence of affirmative public support.

No host-community agreement, community-benefits agreement, payment-in-lieu-of-taxes agreement, or other agreement with a community or affected constituency has been executed. Accordingly, no such agreements are included with this response. Bidder expects to evaluate appropriate host-community commitments in consultation with the Town of Dartmouth as Project development advances.

The following project characteristics are expected to support constructive community consideration, although they are not presented as evidence of public endorsement:

- Location within an existing energy and industrial setting;
- Reuse of previously developed land and existing utility infrastructure;
- Limited need for new off-site transmission corridors;

- Avoidance or minimization of wetlands and other sensitive resources;
- Potential improvements to regional grid reliability;
- Construction employment and local economic activity;
- Potential municipal tax or host-community revenue; and
- Commitments relating to fire safety, emergency-response training, noise control, landscaping, decommissioning, and financial assurance.

Preliminary stakeholder map

Stakeholder group	Potential Principal interests	Proposed engagement
Town of Dartmouth Select Board, Town Administrator, and municipal leadership	Community benefits, public safety, tax revenue, land use, and municipal services	Early project briefing, regular status meetings, and discussion of appropriate host-community commitments
Dartmouth Planning Board and Planning Department	Zoning, site planning, screening, lighting, noise, traffic, and decommissioning	Pre-application consultation and review of preliminary and final site plans
Dartmouth Conservation Commission	Wetlands, buffers, stormwater, habitat, and construction impacts	Early review of resource delineations and avoidance measures
Dartmouth Fire Department, Police Department, and emergency-management personnel	Battery safety, emergency access, fire prevention, incident command, water supply, and first-responder training	Technical workshops, review of the hazard-mitigation analysis and emergency-response plan, facility familiarization, and pre-operational drills
Dartmouth Building Department, Electrical Inspector, and Department of Public Works	Code compliance, drainage, roads, utilities, and construction management	Design coordination and permit-specific meetings
Immediate abutters and nearby residents	Safety, noise, visual impacts, traffic, property values, and construction disturbance	Direct mailed notice, small-group meetings, public open houses, project fact sheets, and a dedicated project contact
Local Environmental Justice Populations	Equitable distribution of project benefits and burdens, public health, accessibility, and meaningful participation	Targeted outreach using current Massachusetts environmental-justice mapping, translated materials, accessible meeting formats, and coordination with trusted local organizations
State legislative delegation and other public officials	Community concerns, energy policy, economic benefits, and project status	Individual briefings and periodic written updates
Tribal Nations and Tribal Historic Preservation Offices identified through consultation	Cultural resources, archaeological resources, and traditionally significant places	Government-to-government consultation through the appropriate state and federal processes
Massachusetts agencies, including EFSB, MEPA Office (consultation), DOER, MassDEP, MHC, and MassWildlife	Siting, environmental impacts, cumulative impacts, public health, and regulatory compliance	Formal pre-filing consultation and continuing coordination during consolidated permitting
Federal agencies, including EPA, USFWS, FAA, and the U.S. Army Corps of Engineers if applicable	Stormwater, protected species, aviation safety, wetlands, and federal compliance	Permit-specific consultation supported by environmental and engineering studies
ISO-New England and the affected transmission owner	System reliability, network upgrades, technical design, and operating requirements	Interconnection studies and continuing technical coordination
Local environmental, civic, neighborhood, business, and labor organizations	Environmental protection, employment, economic	Stakeholder briefings, public meetings, and opportunities to comment on project plans

	development, public safety, and community benefits	
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Section A-8: Safety Plan

Please answer the following questions in Section A-8 for each Transmission Project and Distribution Project being bid:

The Project will be designed, built and operated to 527 CMR 1.00 (the Massachusetts Comprehensive Fire Safety Code, based on NFPA 1, 2021 edition), whose Chapter 52 incorporates NFPA 855. It will use equipment certified to UL 9540 and tested to UL 9540A. The Dartmouth Fire Department is the Authority Having Jurisdiction (AHJ). The Project is early stage, so each response below is preliminary or planned; each will be finalized before construction or operation as noted.

8.1 Please attach as detailed a safety plan as possible, given the stage of the project, which demonstrates compliance or intent to comply with all relevant federal, state, and local laws, codes, and standards. Safety plans must at a minimum comprise the following elements:

i. Energy Storage System project drawings: Provide final, draft, or preliminary project drawings, including as much detail as known at the time of bid submission.

Enter appropriate explanation in this space or reference applicable attachment(s)

A preliminary conceptual site plan is provided as Attachment 7.1. It shows the site boundary, BESS development area, conceptual battery and PCS locations, access and emergency response routes, preliminary setbacks and equipment separation, and the direction of the electrical interconnection.

The layout demonstrates that the BESS fits the ~15.5-acre buildable envelope with room for fire access, equipment separation, drainage and electrical infrastructure. These items remain subject to refinement: final OEM configuration and equipment quantities; spacing, fire lanes and setbacks; project substation, collection and gen-tie design; interconnection upgrades from the ISO-NE study process; grading, stormwater, fencing and security; and final fire protection features.

Drawings will advance through detailed engineering with the selected technology, interconnection studies, site investigations, permits and AHJ coordination. They are not Issued-for-Construction drawings.¹¹

ii. Fire protection datasheets: Provide final, draft, or proposed technology fire protection system datasheets for the project.

Enter appropriate explanation in this space or reference applicable attachment(s)

The proposed site and the e-STORAGE SolBank 3.0 battery blocks carry layered fire detection, alarm, mitigation and shutdown features:

- Fire alarm control panel at site and battery-block level (Potter ARC-100, UL/FM listed), with dedicated 24-hour backup power
- Heat and smoke detection (Potter PAD300 series)
- Audible and visual alarms (horns/strobes)
- Combustible gas detection (Macurco GD-6, alarm at $\geq 10\%$ LEL) with explosion-proof active ventilation
- Local and remote emergency stop and automatic shutdown at site and battery-block level

¹¹ 527 CMR 1.00; conceptual site plan (Attachment 7.1).

- Fire suppression system (aerosol or dry-pipe sprinkler)

The final configuration will be set through equipment selection, the Hazard Mitigation Analysis, UL testing, code review and consultation with the Dartmouth Fire Department. The attached datasheets are preliminary.¹²

iii. UL equipment listings and certifications: List plans to comply with the applicable UL equipment listings and certifications. Optionally, bidders may provide supplemental commentary related to UL equipment listings and certifications that they believe may be relevant or useful to the Evaluation Team for the purpose of evaluating the bid.

The Project will procure only commercially proven equipment that holds, or before installation will hold, every UL listing required for the final configuration. The proposed SolBank 3.0, manufactured by Canadian Solar e-STORAGE (a Tier 1 manufacturer), holds:

Standard	Scope	Status
UL 9540 (2023)	Integrated energy storage system	Certified; TÜV Rheinland Certificate CU 72407953 0004 (March 2025)
UL 9540A (2019)	Thermal runaway propagation testing, cell and unit level	Completed; test reports from TÜV Rheinland (2024–2025)
UL 1973 (2022)	Stationary battery cell (CSI314)	Certified; TÜV Rheinland Certificate CU 72405509 0001 (June 2024)
UL 864 and UL-listed detectors	Fire alarm panel and detectors	Listed components
UL 2075	Combustible gas detector	Compliant component

PCS, switchgear, transformers, controls and other balance-of-plant equipment will also carry applicable UL listings. Certificates and UL 9540A reports will be collected from suppliers during procurement and provided to the AHJ.¹³

iv. Hazard mitigation analysis: Provide a final, draft, or plans to develop a project site-specific Hazard Mitigation Analysis (HMA), addressing thermal runaway, mechanical failures, and other potential equipment failures.

A project-specific Hazard Mitigation Analysis (HMA) will be prepared before construction, per NFPA 855, by a qualified fire protection engineer, building on the existing container-level HMA for the SolBank 3.0 (Generic HMA Rev. 0, November 2024). The container-level HMA already evaluates, among other things:¹⁴

- Cell, module or enclosure thermal runaway, and propagation within or between enclosures
- Fire, smoke, heat release, and flammable gas generation, accumulation and deflagration
- Failure of ventilation, gas detection, fire detection, fire protection, BMS, controls or thermal management

¹² Attachment 8.1.7: e-STORAGE SolBank fire protection / product datasheets; NFPA 72; NFPA 855.

¹³ Attachment 8.1.6: UL listings and certifications; TÜV Rheinland certificates listed above.

¹⁴ NFPA 855 (via [527 CMR 1.00](#)); Attachment 8.1.6 OEM UL 9540A reports; SolBank 3.0_Generic HMA Rev. 0_20241119.

The project-specific HMA will also evaluate site-level hazards, including:

- Electrical faults, including short circuits, ground faults, arc flash, and transformer or inverter failure
- Mechanical damage, vehicle impact, construction activity, severe weather or flooding
- Loss of auxiliary power or communications, and failure of emergency shutdown or isolation

For each hazard, the HMA will set out initiating events, consequences, detection, prevention and mitigation. It will draw on OEM documentation, UL 9540A results, the final layout, and input from the AHJ and responders. Where required, its findings will inform equipment spacing, fire protection, the Emergency Response Plan, signage, training and operating procedures.

v. Emergency response plan: Provide a final, draft, or plans to develop a project site-specific Emergency Response Plan (ERP).

A site-specific Emergency Response Plan (ERP) will be developed with the Dartmouth Fire Department and finalized before operation. Until then, the enterprise-wide Environmental, Health and Safety (EHS) program for the Bidder and its affiliates, already applied at the operating Dartmouth Power plant on the same site, governs. The site-specific ERP will build on the existing container-level ERP for the SolBank 3.0 (Generic ERP Rev. 0, November 2024). The container-level ERP already covers, among other things:

- Fire detection strategy
- Procedures for fire, thermal runaway, smoke, gas detection, container electrical faults, and explosion prevention
- Emergency shutdown, isolation and de-energization, including response to loss of communications or auxiliary power
- Handling of damaged batteries

The site-specific ERP will cover, at a minimum:

- Roles, responsibilities and lines of authority, with 24/7 contacts for the owner, OEM, O&M provider, utility and responders
- Site access, emergency routes, exclusion zones and safe approach distances
- Procedures for fire, thermal runaway, smoke, gas detection, electrical faults, severe weather, flooding, vehicle impact and security events
- Emergency shutdown, isolation and de-energization, including response to loss of communications or auxiliary power
- Evacuation and personnel accountability
- Notification of agencies, incident escalation, and post-incident monitoring, investigation and recovery
- Handling of damaged batteries and incident waste
- Training, drills, and periodic review

Where required, the ERP will inform the final locations of enclosures, inverters, transformers, access points, fire equipment and isolation devices. It will be a controlled document, updated for equipment, contact and code changes.¹⁵

¹⁵ References: NFPA 855 emergency planning requirements; PowerTransitions EHS program (Attachment 8.4); SolBank 3.0_Generic ERP Rev. 0_20241119 (Attachment 8.1.8).

vi. Safety training materials: Provide final, draft, or plans to develop project site-specific safety training materials.

Site-specific training will be developed and conducted during the period from mechanical completion through commissioning to commercial operation. It will be tailored by audience: operators, maintenance technicians, contractors, visitors and first responders.

Topics will include: BESS and battery hazards; thermal runaway, fire, smoke and gas hazards; high-voltage, arc-flash and stored-energy hazards; BMS alarms and abnormal conditions; emergency shutdown and isolation; lockout/tagout and PPE per NFPA 70E; fire, gas and ventilation systems; ERP procedures and HMA findings; handling of damaged equipment; and incident and near-miss reporting.

O&M staff will complete training before commercial operation. Local first responders will receive site familiarization and hazard training. Materials will be updated for equipment changes, drill and audit findings, and code updates. Training records will be maintained.¹⁶

vii. Explosion control: Provide final, draft, or plans to develop project-specific explosion control designs, including plans to comply with the applicable UL test results standards and plans to comply with applicable NFPA requirements.

A project-specific explosion control design will be completed by the EPC contractor and a fire protection engineering firm during site design, before construction, and will be based on the selected equipment's UL 9540A gas generation data and the requirements of NFPA 855, NFPA 69 and, where deflagration venting applies, NFPA 68.

The proposed SolBank 3.0 detects combustible gas and, at $\geq 10\%$ LEL, activates the horn/strobe and explosion-proof exhaust ventilation. The final design will also address automatic shutdown and isolation on alarm, control of ignition sources, enclosure separation, pressure relief where needed, integration with the BMS and fire and gas systems, and the related exclusion zones in the ERP.

Compliance will be confirmed with the OEM, Owner's Engineer and AHJ, and the design will be incorporated into the HMA, fire protection documents, ERP and permits.¹⁷

8.2 Please include a discussion on incident preparedness and address all steps the project has taken to avoid potential safety issues, mitigate safety issues when they occur, and protect property, personnel, and the surrounding community.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project uses defense in depth: prevent abnormal conditions, detect them early, contain them automatically, and respond in coordination with local responders.

Prevention. LFP chemistry has a strong thermal and chemical stability profile. The equipment carries UL 9540, UL 1973 and UL 9540A certification and testing. The BMS continuously monitors cell and system parameters, liquid thermal management keeps cells at 20–35°C, and protective relaying, grounding and overcurrent protection guard the electrical system. Fencing, access control and signage restrict entry, and preventive maintenance proactively catches possible incidents early.

¹⁶ OEM safety and O&M manuals; NFPA 70E; NFPA 855.

¹⁷ References: NFPA 855; NFPA 69; NFPA 68; OEM UL 9540A test reports; SolBank 3.0_Generic ERP Rev. 0_20241119 (Attachment 8.1.8); SolBank 3.0_Generic HMA Rev. 0_20241119 (Attachment 8.1.8).

Detection and mitigation. Heat, smoke and gas detection trigger local and remote alarms, automatic shutdown and isolation, and gas ventilation. Enclosure spacing, fire protection and explosion control limit propagation. Remote monitoring lets operators assess a problem without putting staff near it.

Protection of personnel. Controls include restricted access, role-specific training, lockout/tagout, PPE, defined approach distances, and evacuation and accountability procedures.

Protection of property and the community. Equipment separation, setbacks, emergency access, fire protection and electrical isolation are designed to keep an event inside the site. The ERP sets exclusion zones and notification steps.

Coordination with responders. Affiliates of the Bidder already work with Dartmouth fire and safety officials as owner of the adjacent plant. Before operation, it will review the layout, access, isolation points and incident scenarios with the AHJ and responders, provide site familiarization and training, and set emergency communication protocols.

Incident response. The site safety plan will include an Accident/Incident Response Standard that sets out the immediate actions required to protect personnel, stabilize the situation and limit further consequences. The standard will also govern notification, investigation, root-cause analysis and corrective action (see Section 8.6), and will require that lessons learned are communicated to affected personnel and stakeholders.

Incident preparedness measures will be updated as equipment is selected, the design matures, and lessons emerge.¹⁸

8.3 Please describe plans and measures to operate the facility safely, including but not limited to monitoring and maintenance procedures, mitigation features and potential failure modes.

Enter appropriate explanation in this space or reference applicable attachment(s)

The facility will be monitored 24/7 and maintained to OEM schedules, with automatic protection that isolates faults before they escalate.

Monitoring. A remote operations center and an NFPA 72-compliant central monitoring station watch the BESS, PCS and balance of plant through SCADA and EMS. e-STORAGE's CSEye platform adds 24/7 visibility into state of charge, cell temperatures, BMS alarms, chiller status and fire system status. Critical alarms automatically trigger isolation and emergency shutdown.

Battery management and alarm logic. The multi-level BMS takes graduated action on any out-of-limit reading: power reduction, charge/discharge stop, or full DC isolation. In the fire safety system, one detector activation stops charge and discharge; two activations open the AC switch and DC contactor. A gas alarm at $\geq 10\%$ LEL immediately starts the horn/strobe and ventilation.

Maintenance. Preventive and corrective maintenance follows OEM manuals and Section 3.9: inspections, testing, sensor calibration and safety system verification. Monitoring data supports condition-based maintenance.

¹⁸ [527 CMR 1.00 / NFPA 855](#); UL 9540 / UL 9540A certifications (8.1 iii).

Failure modes and mitigation.

Failure mode	Mitigation
Cell or module thermal runaway	UL 9540A-informed design, early gas and heat detection, automatic isolation, enclosure spacing
PCS or inverter fault	Automatic DC isolation; modular design limits impact to one inverter block
Loss of cooling	BMS temperature monitoring, automatic derate or shutdown
Auxiliary power or communications loss	Control UPS backup; separate 24-hour fire alarm UPS; local protection continues
External events (weather, impact)	Site design, fencing, elevated foundations, controlled drainage

Job hazard analyses, routine inspections, drills with local responders and ongoing training support safe operation.¹⁹

8.4 Please describe consequences resulting from various levels of potential failures and safety events.

Enter appropriate explanation in this space or reference applicable attachment(s)

Consequences scale from a minor, contained alarm to a rare site-wide emergency; the HMA will confirm the final assessment.

Level	Example events	Potential consequences	Controls
1 – Minor	Sensor alarm, communications loss, minor HVAC fault, single module fault	Brief capacity reduction; isolation of one component; no effect beyond the equipment	BMS, SCADA, alarms, routine O&M
2 – Significant equipment failure	HVAC or inverter/transformer fault, loss of auxiliary power, short circuit	Shutdown of affected equipment; partial capacity loss; possible arc-flash hazard; restricted area	Protective relaying, isolation, emergency shutdown
3 – Battery thermal event or fire	Cell failure, thermal runaway within an enclosure	Heat, smoke and flammable gas; enclosure damage; exclusion zone; responder deployment	Fire and gas detection, ventilation, spacing, ERP

¹⁹ NFPA 72; NFPA 855; NFPA 70E; e-STORAGE SolBank 3.0 product and maintenance manuals (Attachment 8.1.3)

Level	Example events	Potential consequences	Controls
4 – Escalated event	Significant runaway, gas accumulation, deflagration	Damage to one or more enclosures; larger response perimeter; extended shutdown	Explosion control, spacing, isolation, ERP
5 – Major site emergency	Severe BESS incident, major electrical event, external fire, flooding	Shutdown of all or most of the site; possible effects beyond equipment; agency notification; long recovery	ERP, exclusion zones, responder coordination

The design aims to contain any event within the site. Where the HMA finds an event could extend beyond an enclosure or the site boundary, added design or operating measures will be adopted.²⁰

8.5 Please discuss intentions to continuously improve the safety practices while operating the facility, such as plans for regular safety audits and feedback mechanisms.

Enter appropriate explanation in this space or reference applicable attachment(s)

Safety will be managed as an ongoing program of audits, data review and feedback over the Project's life.²¹

- **Audits and inspections:** routine site inspections, internal EHS audits and periodic third-party reviews covering equipment, fire and gas detector systems (fire detection, alarm and suppression systems will be inspected, tested and maintained per code and OEM requirements), shutdown functions, access, lockout/tagout, PPE and permit compliance. Deficiencies are tracked to closure.
- **Incident and near-miss review:** root-cause analysis with corrective actions built into procedures and training.
- **Data trending:** EMS, BMS, SCADA and alarm data reviewed for recurring anomalies or degradation.
- **Safety meetings and committee:** routine site safety meetings and a site safety committee, with participation from both site personnel and corporate EHS support, to raise concerns, review safety performance and drive improvement.
- **Training and staff feedback:** recurring training, plus a formal hazard reporting process through which staff and contractors can raise hazards and suggest fixes. Each report is documented, assigned an owner and tracked to resolution, with follow-up to confirm corrective actions are completed promptly.
- **OEM and industry lessons:** review of OEM bulletins, firmware updates, fleet lessons, Peer (Other similar facility) experience review and code changes.
- **Controlled documents:** periodic review of the HMA, ERP, O&M procedures, training, fire and explosion documentation, and contact lists.
- **Responder coordination:** periodic familiarization, training and exercises with the Dartmouth Fire Department.

²⁰ NFPA 855 (HMA requirements); OEM UL 9540A reports; SolBank 3.0 Generic ERP Rev. 0_20241119 (Attachment 8.1.8); SolBank 3.0 Generic HMA Rev. 0_20241119 (Attachment 8.1.8); L-M-RD-S-002 SolBank 3.0 Safety Manual_V1.4.2 (Attachment 8.1.3).

²¹ NFPA 72 (inspection, testing and maintenance); NFPA 855.

8.6 Please describe reporting protocols, both internally and externally.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project will escalate internally by severity and notify external parties as laws, permits and contracts require. The Accident/Incident Response Standard (Section 8.2) will define notification requirements, responsible parties, reporting timelines and escalation protocols so that all required internal and external notifications are made promptly.

Internal. The BMS, EMS and SCADA log all alarms and events. Staff report injuries, near misses, property damage, environmental events and security incidents to supervisors immediately. The scene is secured and an incident record opened, capturing time and location, equipment involved, alarms and data, actions taken, notifications, root cause and corrective actions. Corrective actions are tracked in the EHS management system.

External. Depending on the event, notifications go to local fire, police and Emergency Medical Services; the AHJ; state and local regulators; environmental agencies for reportable releases; the interconnecting utility and ISO-NE for grid impacts; the OEM; insurers; and contract counterparties.

Emergency communications. The central monitoring station automatically relays critical alarms including fire alarms to operators and, where required, to responders. The ERP sets contacts, thresholds, timelines and roles, and staff are trained on them before operation.

Follow-up. Significant events get a formal review, with findings built into procedures, the HMA, ERP, training and maintenance, and any required follow-up filings completed.²²

8.7 Please describe bidder's experience employing safety plans for similar projects currently under construction or in operation, including bidder's approach to risk assessment, design standards, and coordination with local authorities and emergency responders. Please describe how bidder's safety protocols have evolved over time.

Enter appropriate explanation in this space or reference applicable attachment(s)

Affiliates of the Bidder own and operate eight power plants totaling approximately 1.8 GW, including the Dartmouth Power plant on the Project site, which has established relationships with Dartmouth safety officials. The Bidder's team also includes personnel who have safely built and operated more than 1.5 GWh of utility-scale and distribution-level battery energy storage projects in states including Massachusetts, Texas, Pennsylvania and New York.

Current Massachusetts experience. The Dartmouth Power Plant operates under an established EHS program, which sets requirements for incident reporting, emergency response, training, inspections and continuous improvement. Local fire safety officers visit the plant regularly. The Bidder's affiliate has owned the Dartmouth Power Plant since September 11, 2025 and there have been no recordable EHS incidents since that time. Additionally, Dartmouth Power Plant has operated for 3,139 days without a recordable or serious EHS incident.

Risk assessment approach. For the BESS, the Bidder will use a formal, project-specific process: an NFPA 855 HMA; review of OEM safety data and UL 9540A results; identification of credible failure modes and their likelihood and consequence; independent engineering review; and incorporation of findings into design, procedures, the ERP and training.

²² NFPA 72 (supervising station alarm transmission); applicable permit conditions; SolBank 3.0_Generic ERP Rev. 0_20241119 (Attachment 8.1.8); SolBank 3.0_Generic HMA Rev. 0_20241119 (Attachment 8.1.8).

Design standards. 527 CMR 1.00 / NFPA 1, NFPA 855, NFPA 72, NFPA 69, NFPA 68, NFPA 70E, UL 9540, UL 9540A and UL 1973, plus applicable electrical and building codes.

Experienced partners. In addition to its experienced employees, the Bidder plans to use HDR as Owner's Engineer (Attachment 8.3) and will engage qualified fire protection, commissioning and O&M professionals. The OEMs will provide equipment-specific safety documentation, training and installation, commissioning and O&M support.

Evolution of protocols. The BESS program starts from current codes, OEM requirements and industry lessons learned. It will evolve with construction and commissioning experience, audits, alarm trends, near misses, OEM bulletins, code changes, and feedback from staff and the AHJ.²³

8.8 Have any of bidder's prior projects experienced fire incidents, thermal events, or related safety concerns? If so, please summarize the circumstances, response actions taken, and lessons learned for each relevant facility and location.

Enter appropriate explanation in this space or reference applicable attachment(s)

None. The Bidder and its affiliates have not experienced any fire incidents, thermal events or related safety concerns at any of its projects, including the Dartmouth Power plant.

8.9 The project is encouraged to include testimonials and statements of support from local governments and first responder organizations to demonstrate robust stakeholder communication and participation in the project's safety plan. Please also provide evidence of community engagement towards acceptance of the facility, or a plan to work towards such engagement and acceptance.

Enter appropriate explanation in this space or reference applicable attachment(s)

Affiliates of the Bidder has an established relationship with Dartmouth planning and safety officials as owner of the adjacent Dartmouth Power plant, which fire safety officers visit regularly.

The Bidder has communicated to the Dartmouth SelectBoard and will be sharing detailed plans with relevant Dartmouth officials before the end of 2026. Further, the Bidder will engage the Dartmouth Fire Department and local officials in developing the site-specific safety plan and ERP. Ultimately, early-stage development will include engagement will include accessible public meetings and translated materials as needed.

²³ Bidder's enterprise EHS program (Attachment 8.4); the standards listed above; PT - Dartmouth - Confirmation Owner Engineer HDR (Attachment 8.1.3).

Section A-9: Engineering & Technology; Commercial Access to Equipment

This section includes questions pertinent to the engineering design and project technology. This section must be completed for all aspects of a project including but not limited to the Energy Storage System and associated operational plan and interconnection facilities. Bidders should provide information about the specific technology or equipment including the track record of the technology and equipment and other information as necessary to demonstrate that the technology is viable.

Please answer the following questions in Section A-9 for each Transmission Project and Distribution Project being bid:

9.1 Provide a reasonable but preliminary engineering plan which includes the following information:

- i. Type of energy storage technology (e.g., mechanical, chemical, thermal) and the specific details of the energy storage technology and how it works*
- ii. Major equipment to be used including the components of the energy storage technology itself and surrounding system (e.g., inverter, enclosures, HVAC, meters, electrical and communication equipment, fire suppression).*
- iii. Manufacturer of each of the equipment components listed above as well as the location of where each component will be manufactured.*
- iv. Status of acquisition of the equipment components, including whether orders are in place and/or production slots secured*
- v. Whether the bidder has a contract for the equipment. If not, describe the bidder's plan for securing equipment and the status of any pertinent commercial arrangements*
- vi. Equipment vendors selected/considered*
- vii. Track record of equipment operations, including safety record*
- viii. Include all UL certifications and other relevant industry codes and standards for key equipment including but not limited to storage modules, power conversion system, and/or integrated product certifications*
- ix. Description of equipment warranties and guarantees, including terms and expiration*
- x. If the equipment manufacturer has not yet been selected, identify in the equipment procurement strategy the factors under consideration for selecting the preferred equipment*

Enter appropriate explanation in this space or reference applicable attachment(s)

i. Type of technology / how it works:

The Project uses electrochemical energy storage based on Lithium Iron Phosphate (LFP) battery chemistry. LFP is the dominant chemistry for utility-scale stationary storage due to its thermal stability, long cycle life, and favorable safety profile relative to other lithium-ion chemistries (NMC, NCA). The Project's high-voltage substation connects to the grid and routes energy in both directions to the substation's medium-voltage section through three main power transformers and feeder breakers. Downstream, the feeder breakers connect to medium-voltage transformers that share a skid with the PCS, and the DC side of each PCS connects to the e-STORAGE SolBank 3.0 DC Blocks. This arrangement lets the DC Blocks store energy while charging and deliver it back to the grid when needed while discharging.

DC Block Technology description:²⁴

- **Chemistry:** Lithium Iron Phosphate (LiFePO₄). LFP cathode; graphite anode. The LFP olivine structure provides exceptional thermal and chemical stability: the P-O bonds in the phosphate polyoxyanion structure are significantly stronger than the metal-oxide bonds in NMC/NCA, which limits oxygen release during thermal runaway.
- **Cell format:** Prismatic (aluminum shell). The CSI314 cell contains cathode electrodes, anode electrodes, separators, and electrolyte within an aluminum cell can, secured with a cell cap and vent. Cell dimensions: 71.8 × 173.7 × 204.4 mm. Nominal capacity: 314 Ah. Nominal voltage: 3.2 V. Nominal energy: 1,004.8 Wh.
- **Module (pack):** 1P104S — 104 cells connected in series within a single module. The module uses a copper cell contact system (CCS), aluminum liquid cooling plate (Al3003MOD), gap filler (PU, 2.0 W/m·K), BMS, and aerogel between cells for passive thermal isolation.
- **Rack:** 1P416S — 4 modules in series per rack. 12 racks per enclosure. Each rack has one BMS box.
- **System:** 12P416S — 12 racks per 20-ft enclosure. Nominal DC voltage: 1,331.2 V. Operating DC voltage range: 1,164.8–1,497.6 V.
- **Thermal management:** Smart liquid cooling/heating via Envicool chiller (EMW250FCNS2A for 0.25P variant, 25 kW rated). Cell temperature maintained at 20–35°C during operation.

*ii. Major equipment:*²⁵

Battery cells	CSI314 LFP prismatic cells
Battery modules (packs)	Integrated 1P104S module assembly with copper CCS, liquid cooling plate, gap filler, BMS board, aerogel cell separation
Battery racks	1P416S — 4 modules per rack; 12 racks per enclosure
BMS (Battery Management System)	Multi-level: cell → module → rack → system. 12 BMS boxes + 1 BMS HV Box per enclosure
DC Junction Box	Primary DC busbar, fusing (1,500V/400A per rack), SPDs, power monitoring; consolidates 12 rack outputs
PCS / Inverter	SMA Sunny Central Storage UP-XT-US; bidirectional, with voltage regulation, power factor control and frequency response.
Chiller (thermal management)	Envicool EMW250FCNS2A (0.25P / 4h variant, 25 kW rated). Smart liquid cooling/heating. Tested per ISO 3746:2010 noise standard.
Enclosure	20-ft high-cube steel container, IP55 / NEMA 3R, RAL9003, C4 coating, 6,058 × 2,438 × 2,896 mm, 43,000 kg
DMC (Distribution & Control Cabinet)	Auxiliary power distribution, 2-hour backup UPS (220V AC), network switch, Local EMS, customer communication interfaces
Fire Alarm Control Panel	Potter ARC-100 (UL/FM listed)
Heat Detector	Potter PAD300-HD (UL listed)

²⁴ e-STORAGE SolBank 3.0 datasheet (CS-Datasheet_SolBank_3_0_v1_64_NA, March 2026); CSI314 cell specification SPEC-RD-C-001, Rev A0 (January 6, 2025); DNV Technology Review Report 10501176-SHA-R-01, Issue D (March 2025).

²⁵ SolBank 3.0 datasheet (v1.64_NA) and Installation Manual (v1.8.4); FSS component datasheets (Potter ARC-100, PAD300-PD, PAD300-HD, HS-24; Macurco GD-6); SMA Sunny Central Storage UP-XT-US datasheet; ISO-NE Operating Procedure No. 18.

Smoke Detector	Potter PAD300-PD (UL listed)
Combustible Gas Detector	Macurco GD-6 (ETL/Intertek, UL 2075)
Active Ventilation	Nanjing Heben TPF13/14 explosion-proof fans (ATEX/UL/CE)
Horn/Strobe	Potter HS-24 (UL listed)
SPD (Surge Protection Device)	Located in DC Junction Box and DMC
MSD (Manual Service Disconnect)	48 per enclosure (one per module)
UPS	2-hour control system backup (220V AC); 24-hour dedicated fire safety UPS
Metering	Revenue-grade metering at the point of interconnection, compliant with ISO-NE Operating Procedure No. 18 and utility requirements [PT to confirm specification and vendor]
Fire suppression (optional)	Aerosol suppression or dry-pipe sprinkler system; final selection through the project-specific HMA and AHJ consultation (Section A-8)

iii–vi. Manufacturer, acquisition status, contract, vendors:

Battery cells and modules	CSI Energy Storage Technology Co., Ltd. — USA
SolBank 3.0 system integration	Canadian Solar Inc. / e-STORAGE (CSI Energy Storage Co., Ltd.) — USA
PCS / Inverter	SMA Solar Technology AG (Sunny Central Storage UP-XT-US) — USA/Germany
Chiller	Shenzhen Envicool Technology Co., Ltd. — Shenzhen, China
Potter FSS components (FACP, detectors, horn/strobe)	Potter Electric Signal Company — St. Louis, Missouri, USA
Macurco GD-6	Macurco Gas Detection — Sioux Falls, South Dakota, USA
Main Power Transformer (MPT)	Beijing Daelim Green EP Tech Co., Ltd. and affiliates, including USA Daelim Transformer Inc.; two of the three MPTs procured and safe-harbored — China

Apart from the two safe-harbored MPTs, which are already in construction, pricing has been received for the remaining major equipment, and the Bidder plans to negotiate and procure all major equipment by the end of Q2 2027.²⁶

vii. Track record / safety record:

²⁶ **References:** SolBank 3.0 datasheet (v1.64_NA); FSS component datasheets; Section 11.3.

LFP BESS is a commercially mature technology with an extensive operating record. As of DNV's March 2025 technology review, e-STORAGE had 14 projects (862 MW / 2,804 MWh) in operation and 25 (2,447 MW / 5,786 MWh) under construction (Section 9.3). The Bidder is not aware of any major safety incident across this fleet. The SolBank 3.0 holds UL 9540:2023 certification, has passed UL 9540A cell- and unit-level testing, and in June 2025 passed large-scale fire testing under CSA C800, witnessed by CSA Group and ESRG, with no propagation beyond the initiating enclosure (Section 9.7).²⁷

viii. Certifications/standards:

The SolBank 3.0 system and its key components comply with the following standards:²⁸

SolBank 3.0 Product Certifications

UL 9540:2023 (ANSI/CAN/UL 9540:2023)	System-level. Cert. CU 72407953 0004. TÜV Rheinland. Issued March 26, 2025.
UL 9540A:2019 (Cell Level)	Report CN243TAR 001. TÜV Rheinland. August 6, 2024. Cell-level pass; no installation-level testing required.
UL 9540A:2019 (Unit Level)	Report CN25DK3S 001. TÜV Rheinland. March 28, 2025. Unit-level pass; no installation-level testing required.
UL 1973:2022 (Cell)	Cert. CU 72405509 0001. Report CN24XEVJ 001. TÜV Rheinland. June 12, 2024.
IEC 62619:2022 (Cell)	Cert. Ref. JPTUV-161351. TÜV Rheinland Japan. July 3, 2024.
UN 38.3 (Cell)	Report RZUN2024-4080. CVC Testing Technology. June 28, 2024.
RoHS / REACH (Cell)	Reports 168480761b/168480761a 001. TÜV Rheinland. June 11, 2024.
UL 2075 (Gas detector)	Macurco GD-6. ETL/Intertek certified.
UL 864 / FM 3010 (FACP)	Potter ARC-100. UL/FM listed.
Seismic Zone	Zone 4 (per SolBank 3.0 datasheet specification)
Enclosure Rating	IP55 / NEMA 3R

²⁷ DNV Technology Review Report 10501176-SHA-R-01, Issue D (March 2025); TÜV Rheinland UL 9540 Certificate CU 72407953 0004; UL 9540A Reports CN243TAR 001 and CN25DK3S 001; CSA Group large-scale fire test report (CSA C800), June 2025.

²⁸ TÜV Rheinland, CVC Testing Technology and Intertek certificates and reports listed above; Potter and Macurco FSS datasheets; UL Certificate of Compliance E210376 (SMA Solar Technology AG, December 15, 2022); SMA MVPS 4000-4600-S2(-US) Standards overview (D_00162338_03).

PCS Certifications (SMA Sunny Central Storage UP-XT-US / MV Power Station MVPS-S2-US)

UL 1741 (Ed. 2, July 10, 2021), incl. Supplement SA	UL Certificate of Compliance E210376, Report E210376-2019-08-27, UL LLC, December 15, 2022. Covers SCS 2300–3950 UP-XT-US models (USL/CNL listed).
UL 1741 Supplement SB (Ed. 3, October 18, 2022)	Listed as a partially compliant DER unit per IEEE 1547-2018 and UL 1741 SB. UL Certificate E210376.
IEEE 1547-2018 / 1547a-2020 / 1547.1-2020	Interconnection and interoperability of DER; conformance test procedures. UL Certificate E210376.
UL 62109-1	Safety of power converters – general requirements. UL Certificate E210376.
CAN/CSA C22.2 No. 107.1-16	Power conversion equipment (Canadian listing). UL Certificate E210376.
ANSI/UL 1998 (Ed. 3)	Software in programmable components. UL Certificate E210376.
MV Power Station (station and LV wiring)	Product UL listed E210376; NFPA 70 (NEC 2017), UL 50E, UL 489, UL 1741, IEEE 80, IEEE C57.12.00. Per SMA MVPS 4000-4600-S2-US standards overview (D_00162338_03).
MV switchgear	UL recognized component E509320; IEEE C37.20.9, IEEE C37.20.7 (internal arc), IEEE C37.04, IEEE C37.09, IEEE 386.
MV transformer	UL files E509865 (unlisted component), E507145 and others; IEEE C57.12.00, C57.12.36, C57.12.90, C57.154; natural ester fluid per ASTM D6871 and UL 340.
LV (auxiliary) transformer	Included in product UL listing; UL 5085-1, UL 5085-2, UL 1446.

Project Design Codes and Standards Applied

NEC	National Electrical Code
NFPA 855	Standard for the Installation of Stationary Energy Storage Systems
NFPA 72	National Fire Alarm and Signaling Code
NFPA 70E	Standard for Electrical Safety in the Workplace
NFPA 68	Standard on Explosion Protection by Deflagration Venting
NFPA 69	Standard on Explosion Prevention Systems
IEEE C84.1	Voltage Ratings for Electric Power Systems and Equipment
IEEE 693	Recommended Practice for Seismic Design of Substations
IEEE 1584-2018	Guide for Performing Arc-Flash Hazard Calculations
IEC 60529	Degrees of Protection Provided by Enclosures (IP Code)
IEC 62933-5-2	Electrical Energy Storage Systems — Safety Requirements
IFC §1207	International Fire Code — Energy Storage Systems
IEEE 2800-2022	Standard for Interconnection and Interoperability of Inverter-Based Resources Interconnecting with Associated Transmission Electric Power Systems. Plant-level performance at the point of measurement: voltage and frequency ride-through, reactive power and voltage control, active power–frequency response, and power quality. The PCS and power plant controller will be tuned to conformance.

ix. Warranties/guarantees:

Major equipment will carry manufacturer capacity/energy-retention and round-trip-efficiency warranties and performance guarantees under a 20-year long-term service agreement, consistent with the degradation/augmentation strategy in Section 3.11. The SolBank 3.0 product and performance warranty is issued at the system level by e-STORAGE; the CSI314 cell is not separately warranted.²⁹

x. Procurement-strategy factors (if OEM not final):

The BESS OEM has been identified (SolBank 3.0 design basis; pricing received). The PCS has been identified as the SMA Sunny Central Storage UP-XT-US, and two of the three main power transformers (MPTs) are procured and safe-harbored with Beijing Daelim Green EP Tech Co., Ltd. and affiliates, including USA Daelim Transformer Inc. Selection of the remaining balance-of-plant equipment will weigh: compatibility with the SolBank 3.0 UL 9540 certification; SMA Sunny Central Storage UP-XT-US; technical performance and ISO-NE grid-support capability; track record and bankability; delivery schedule and production-slot availability against the Section A-10 milestones; warranty, LTSA and U.S. service capability; supply-chain and trade-compliance risk; and price.³⁰

²⁹ e-STORAGE SolBank 3.0 product and performance warranty; Section 3.11.

³⁰ Sections 3.4 and 11.3; Section A-10 critical-path schedule; SMA Sunny Central Storage UP-XT-US datasheet and UL Certificate of Compliance E210376.

9.2 If the bidder has not yet selected the major equipment for a project, please provide a list of the key equipment suppliers under consideration.

Enter appropriate explanation in this space or reference applicable attachment(s)

The major equipment for the Project has been identified. The battery energy storage system is the Canadian Solar e-STORAGE SolBank 3.0 battery energy storage system (CSI314 LFP prismatic cells, integrated modules, racks, and 20-ft enclosure) for which e-STORAGE pricing has been received. The power conversion system is the SMA Sunny Central Storage UP-XT-US (UL Certificate of Compliance E210376). Two of the three main power transformers have been procured and safe-harbored with Beijing Daelim Green EP Tech Co., Ltd. and affiliates. The Bidder plans to procure rest of the major equipment by the end of Q2 2027. Other key component suppliers are listed in Section 9.1 (iii–vi).³¹

9.3 Please identify the same or similar equipment by the same manufacturer that are presently in commercial operation including the number installed, installed capacity and estimated generation for the past three years.

Enter appropriate explanation in this space or reference applicable attachment(s)

Canadian Solar has deployed utility-scale BESS through e-STORAGE since 2021, and all e-STORAGE projects contracted since 2023 use the SolBank platform. As of DNV’s March 2025 technology review, the e-STORAGE portfolio was:³²

Deployed / operational	14 projects — 862 MW AC / 2,804 MWh AC — COD 2021–2023 — USA, UK, China
Under Construction	25 projects — 2,447 MW AC / 5,786 MWh AC — COD 2023–2025 — USA, UK, China, Australia

9.4 For less mature technologies or equipment, provide evidence (including identifying specific applications) that the technology or equipment to be employed for energy production is ready for transfer to the design and construction phases. Also, address how the status of the technology or equipment is being considered in the financial and permitting plans for the project. Provide the status of testing/qualification for any equipment in development.

Enter appropriate explanation in this space or reference applicable attachment(s)

Lithium iron phosphate BESS is a commercially mature, bankable technology with extensive ISO-NE and North American deployment; it is ready for the design and construction phases and is treated as a proven technology in the project financial and permitting plans.

³¹ UL Certificate of Compliance E210376 (SMA Solar Technology AG); Sections 3.4 and 9.1 (iii–vi).

³² DNV Technology Review Report 10501176-SHA-R-01, Issue D (March 2025); DNV SolBank 3.0 BESS Technology Review, Report 10513616-HOU-R-01-H; Section 3.5; CSI Corporate profile (Attachment 8.5).

9.5 Please indicate if the bidder has a full and complete list of equipment needed for all physical aspects of the bid, including the Energy Storage System and all equipment required for the System to fulfill its operational plan, and mandatory and voluntary transmission or distribution system upgrades. Include OEM-supplied data sheets for all equipment. If bidder does not have a full and complete list of equipment, identify the areas of uncertainty and when the full and complete list of equipment will be identified.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder has a complete equipment list for the Energy Storage System based on the SolBank 3.0 platform, SMA Sunny Central Storage UP-XT-US for the inverter and MV Power Station MVPS-S2-US for the MVT; OEM-supplied data sheets for these are attached to the application. The main power transformers have also already been safe harbored using Daelim Transformers as the OEM. The remaining equipment yet to have selected OEMs are identified below:

Major balance-of-plant equipment (project substation, MV collection and gen-tie):³³

Description	Rating / specification	Qty
HV circuit breaker – transformer bay	115 kV, 550 kV BIL, 31.5 kA, 1200 A	3
HV circuit breaker – gen-tie line bay	115 kV, 550 kV BIL, 31.5 kA, 2000 A	1
HV disconnect switch	115 kV, group-operated, manual	8
HV bay – bus, structures, foundations	115 kV AIS, dead-end / single bus	4
HV surge arrester set (3-phase)	115 kV, coordinated to 550 kV BIL	4
Current transformer set (3-phase)	115 kV, metering & relaying	4
CCVT set (3-phase)	115 kV, line-side voltage & synch	4
MPT T1 – owned, on order	72/82/95 MVA, 115/34.5 kV, 81 MW block	1
MPT T2 – owned, on order	46/53/60 MVA, 115/34.5 kV, 52 MW block	1
MPT T3 – to procure	60/80/100 MVA, 115/34.5 kV, 87 MW block	1
Capital spare transformer	60/80/100 MVA, matched to T3 only	1
MV switchgear lineup	34.5 kV, 200 kV BIL, metal-clad	3
MV main / incomer breaker	34.5 kV vacuum; 1590 / 1004 / 1673 A	3
MV feeder breaker position	34.5 kV vacuum; duty 15.1 / 9.6 / 12.6 kA	13
Feeder metering & protection package	One per feeder position	13
MV feeder circuit	750 kcmil XLPE 35 kV class	Not Applicable
Transformer protection panel	87T, 50/51, 50BF, 49, 63	3
Gen-tie line protection	Dual 87L + comms-assisted backup	1
RTU / SCADA gateway	DNP3 to TO, ICCP to ISO-NE	1
Synchrophasor / PMU	IEEE C37.118.1	1
Teleprotection & fibre terminals	OPGW terminations	1
Station DC battery, charger, UPS	IEEE 485	1

³³ OEM data sheets and documents listed above; UL Certificate of Compliance E210376 and SMA MVPS 4000-4600-S2(-US) Standards overview (D_00162338_03); Section A-6 (interconnection); Section 9.6.

Description	Rating / specification	Qty
Gen-tie terminal / dead-end structures	115 kV, both ends	1
OPGW and line hardware	Shield wire, line hardware	1
auxiliary transformers	2.5 MVA 34.5/0.48 kV	3
revenue-grade metering	Main and check meters at the point of interconnection: bidirectional, four-quadrant, ANSI C12.20 Class 0.2 revenue meters on dedicated IEEE C57.13 0.3-accuracy-class metering CTs/VTs; ISO-NE OP-18 compliant, with telemetry to ISO-NE and the utility	2

9.6 Please indicate if the bidder has secured its equipment for all physical aspects of the bid, including the Energy Storage System and all equipment required for the System to fulfill its operational plan, and mandatory and voluntary transmission or distribution system upgrades. If not, identify the long-lead equipment and describe the timing for securing this equipment.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder has procured two of the three main power transformers, which are safe-harbored with Beijing Daelim Green EP Tech Co., Ltd. and affiliates. Pricing has been received for the remaining major equipment described in Section 9.1, for which purchase agreements have not yet been executed. The equipment has been identified: the Canadian Solar e-STORAGE SolBank 3.0 BESS and the SMA Sunny Central Storage UP-XT-US PCS. The Bidder plans to negotiate and execute purchase agreements for the BESS, PCS and third MPT by the end of Q2 2027, ahead of the Section A-10 Phase 2 milestones and construction start. The balance-of-plant equipment listed in the Section 9.5 equipment table will be procured by the EPC contractor once engaged.

The following items are identified as long-lead equipment requiring early procurement commitment, and each is planned to be secured by the end of Q2 2027:

Main power transformers (MPTs). The MPTs and the DC Block (BESS enclosures) have the longest lead times. MPT lead times in the North American market range from 78 to 200 weeks, depending on the OEM. Two of the three MPTs are procured and safe-harbored; the Bidder plans to order the third by the end of Q2 2027.

SolBank 3.0 BESS enclosures and battery racks. Lead times for utility-scale LFP storage systems have been in the range of 50 to 75 weeks depending on delivery slot availability. The Bidder plans to secure production slots through a reservation agreement or purchase commitment by the end of Q2 2027.

Eversource, as the Transmission Owner, will design and construct the Eversource-owned network upgrades at High Hill identified in the CCIS-equivalent and NCIS-equivalent studies. The Bidder bears the full cost of those upgrades, which is included in the bid price and set out in Section 6.4, consistent with ISO-NE Schedule 22 and FERC Order No. 2023.³⁴

³⁴ Section A-10 critical-path schedule; Section 9.5 equipment table

9.7 Does bidder intend to propose any technology (1) that it, its affiliates or parent companies have used in a prior project, (2) that has been involved in a fire or thermal event anywhere in the world and (3) that necessitated a root cause analysis? If yes, please submit the root cause analysis and related documentation as part of the bid package. If no, please state that this question is not applicable.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder is not aware of any operational fire or thermal event at a deployed facility involving the Canadian Solar e-STORAGE SolBank 3.0 battery energy storage system or the SMA Sunny Central Storage UP-XT-US power conversion system that would require a root cause analysis to be submitted with this bid.

By way of context: Canadian Solar e-STORAGE completed large-scale fire testing (LSFT) on the SolBank 3.0 in June 2025, conducted under the CSA C-800:25 §9.7 standard and witnessed by CSA Group and Energy Safety Response Group (ESRG). That test is a controlled, deliberate safety certification procedure — not an unplanned operational incident — and its purpose is to verify that a fully developed fire within one BESS enclosure does not propagate to adjacent enclosures. The SolBank 3.0 successfully passed, confirming containment of the thermal event to the initiating unit with no propagation, in compliance with NFPA 855 objectives. The LSFT result is a safety asset and is relevant to the Section A-8 Safety Plan rather than to the incident-history inquiry of this question.

Accordingly, this question is not applicable. the Bidder and its affiliates have not used the proposed technology in a prior project, and the Project will be the company's first BESS (Section 8.8).³⁵

³⁵ CSA C800 large-scale fire test report, June 2025, witnessed by CSA Group and ESRG (Attachment 8.1.7); Section 8.8; NFPA 855.

Section A-10: Project Schedule

A bidder must demonstrate that its proposal can be developed, permitted, financed, and constructed and be technically viable within a commercially reasonable timeframe. The bidder is required to provide sufficient information and documentation that shows that the bidder's resources, process and schedule are adequate for the acquisition of all rights, permits and approvals for all aspects of the project and for the financing of the project consistent with the proposed project milestone dates.

Bidders are required to provide a complete critical path schedule for the project from the notice of selection of the project for contract consideration to the start of commercial operations. For each project element, list the start and end date. The proposal must include a schedule with reasonable detail that demonstrates that the bidder has provided sufficient time for the application for, and receipt of, necessary permits, approvals, other commitments, project financing, completion of design work, and equipment procurement and construction in order to credibly complete the project reasonably consistent with the proposed Commercial Operation Date, meaning that the project is more likely than not to come online by the date that is projected within the proposal. If a bidder is developing the project in phases, it should include a schedule for each phase. For Transmission Projects, the bidder should include critical milestones in its markup to the Form LTC that are consistent with its proposal and are reasonably achievable.

Please answer the following questions in Section A-10 for each Transmission Project and Distribution Project being bid:

10.1 Identify the elements on the critical path. The schedule should include, at a minimum, preliminary engineering, financing, acquisition of real property rights, Federal, state and/or local permits, licenses, environmental assessments and/or environmental impact statements (including anticipated permit submittal and approval dates), completion of interconnection studies and approvals, procurement, facility contracts, start of construction, construction schedule, and any other requirements that could influence the project schedule and the commercial operation date.

Please refer to the below table and Attachment 10.1, which provides the project schedule, including the key milestones, critical-path activities, sequencing, and anticipated completion dates. The schedule will be actively monitored and updated throughout project execution to identify potential impacts and support the timely achievement of each milestone.

Site control for the BESS site is secured through the Option Agreement with DPA (Attachment 7.2-B).

Preliminary Project Schedule for Dartmouth BESS

		TASK	START	END	DURATION (Days)
All Project Phases			2026-09	2029-12	1216
CLEAN PEAK CONTRACT EXECUTION			2026-09	2027-05	270
PHASE 1: IX STUDY, GEN TIE ROW, AND PERMITTING			2026-10	2028-04	556
1.1		ISO-NE 2026 Cluster Study; initiate local outreach	2026-11	2028-04	525
1.2		Permitting mobilization and confirmation of EFSB jurisdiction	2026-10	2026-11	60
1.3		xxx	2026-10	2027-05	240
1.4		EFSB pre-filing consultation, municipal coordination, and community engagement	2026-11	2027-06	240
1.5		Environmental and technical studies and preliminary engineering	2027-01	2027-06	180
1.6		EFSB site-suitability and cumulative-impact analyses	2027-01	2027-06	180
1.7		MEPA consultation and environmental review, if required	2027-01	2027-07	210
1.8		Massachusetts Historical Commission/SHPO, Tribal, and federal historic-resource consultation	2027-04	2028-06	450
1.9		U.S. Fish and Wildlife Service and Massachusetts Natural Heritage review	2027-04	2028-06	450
1.10		EFSB Consolidated Permit application preparation and filing	2027-03	2027-07	150
1.11		EFSB application completeness review	2027-07	2027-09	90
1.12		EFSB adjudicatory review and issuance of Consolidated Permit	2027-09	2028-11	455
1.13		Town of Dartmouth zoning, site-plan, conservation, stormwater, and agency review incorporated into the EFSB proceeding	2027-07	2028-12	540

		TASK	START	END	DURATION (Days)
1.14		Clean Water Act Sections 404 and 401 review, if triggered	2027-07	2028-06	365
1.15		Federal Aviation Administration notice and obstruction determinations	2028-04	2028-06	90
1.16		ISO-NE and transmission-owner facilities requirements and final interconnection agreement	2028-04	2028-11	240
1.17		Final civil and electrical design, fire-safety review, emergency-response plan, and decommissioning plan	2028-04	2028-12	270
1.18		Building, electrical, fire, street-opening, and other ministerial construction permits	2028-10	2029-01	120
1.19		USEPA NPDES Construction General Permit coverage and Stormwater Pollution Prevention Plan	2028-12	2028-12	30
PHASE 2: ENGINEERING			2026-11	2028-11	760
2.1		10% Engineering	2026-11	2026-12	60
2.2		30% Engineering	2028-01	2028-03	90
2.3		60% Engineering	2028-04	2028-06	90
2.4		Issued For Construction Engineering	2028-09	2028-11	90
PHASE 3: FINANCING			2028-01	2028-10	274
3.1		Update financial model / CAPEX	2028-01	2028-03	90
3.2		Financing / tax credit strategy	2028-01	2028-09	270
3.3		Complete project diligence	2028-04	2028-09	180
3.4		Final Investment Decision Notice to Proceed	2028-09	2028-10	30
PHASE 4: PROCUREMENT PROCESS			2028-04	2029-03	363
4.1		BESS OEM and Balance of System	2028-10	2029-03	180
4.2		GSU / Transformer	2028-04	2028-09	180
4.3		Switchgear / Breakers / Controls	2028-07	2028-12	180

		TASK	START	END	DURATION (Days)
PHASE 5: PROJECT EXECUTION			2028-07	2029-10	457
5.1		Site mobilization / civil works	2028-07	2028-12	180
5.2		Foundations / underground electrical	2028-10	2028-12	90
5.3		Substation / gen-tie construction	2028-10	2029-03	180
5.4		BESS equipment delivery	2029-01	2029-04	90
5.5		BESS installation	2029-04	2029-06	90
5.6		Transmission Owner Upgrades	2028-10	2029-10	365
PHASE 6: ISO-NE REGISTRATION / COMMISSIONING			2029-01	2029-12	363
6.1		ISO-NE asset registration process	2029-01	2029-04	90
6.2		Metering / telemetry / SCADA	2029-04	2029-06	90
6.3		Energization	2029-07	2029-07	30
6.4		BESS commissioning	2029-07	2029-09	90
6.5		Performance / acceptance testing	2029-10	2029-11	60
6.6		Commercial Operation Date	2029-12	2029-12	5

Durations reflect the project's planned critical path. Schedule is preliminary and subject to permitting, the ISO-NE interconnection study, procurement, and final design.

10.2 Describe and demonstrate that the project is more likely than not to come online by the commercial operation date that is projected within the proposal, as evidenced by documents filed by the bidder showing the following:

- i. Commencement of permitting processes;
- ii. A plan for completing all permitting processes;
- iii. Environmental assessment;
- iv. Viable financing plans along with detailed information requested in Section 2.2.2.4;
- v. Viable installation and electrical interconnection plans;
- vi. Material progress towards the acquisition of all real property rights; and
- vii. Evidence of material vendor activity.

The Project is in the early stages of development. Site control for the BESS site is secured through the Option Agreement with DPA, the affiliate of the Bidder that owns the site in fee (Attachment 7.2-B). A comprehensive development schedule has been established to manage the permitting, environmental

review, interconnection, financing, procurement, construction, and commissioning activities required to achieve commercial operation.

i. Commencement of Permitting Processes

BESS site control is secured. While formal permit applications have not yet been submitted, the Bidder has identified the principal permitting and regulatory pathways applicable to development of a utility-scale battery energy storage project in Massachusetts.

The Project's permitting program is expected to include a consolidated siting permit before the Massachusetts Energy Facilities Siting Board (EFSB) and MEPA review under the 2024 Climate Act consolidated permitting framework, Town of Dartmouth local approvals including an allowable-use confirmation and Article 24 site-plan review, applicable Massachusetts Department of Environmental Protection reviews and authorizations, environmental and natural resource studies including wetland delineation and field surveys for wildlife and cultural resources, and federal permits or authorizations to the extent required based on site-specific conditions including USACE Clean Water Act Section 404 with MassDEP Section 401 Water Quality Certification.

Following confirmation of the Project's site configuration, the Bidder intends to initiate environmental and permitting diligence, including desktop constraints analysis and the field studies necessary to support the Project's permit applications.

ii. Plan for Completing All Permitting Processes

The Bidder has developed a permitting plan that provides sufficient time to obtain the required approvals in advance of construction and the proposed December 31, 2029 COD.

Environmental and permitting diligence is planned to begin during 2026, followed by site-specific environmental studies during 2026 and 2027. Preparation of the Project's Section 248 application and associated stakeholder coordination is expected to occur during 2027, with the objective of obtaining the Certificate of Public Good and other material environmental authorizations during 2028.

The permitting program will be advanced in parallel with the ISO-NE interconnection process rather than sequentially following completion of the interconnection study. This parallel development strategy provides schedule contingency between receipt of the principal permits and the proposed COD.

The Project schedule anticipates obtaining the material permits necessary to support construction approximately 18 months or more before the proposed COD, providing time for final engineering, procurement, construction, commissioning, and resolution of potential permitting delays.

iii. Environmental Assessment

The Bidder has completed a site-specific Critical Issues Analysis ("CIA") for the Dartmouth BESS, dated April 17, 2026. The CIA provides a preliminary desktop assessment of the site's environmental resources, land-use setting, and anticipated federal, state, and local permitting requirements. It identifies the principal issues requiring further investigation, including wetlands and regulated buffer areas, stormwater, potential threatened and endangered species habitat, cultural and historic resources, environmental-justice considerations, noise and visual impacts, flood hazards, aviation constraints, and other site-specific development considerations.

Permit-level field investigations have not yet been completed. The Bidder will undertake a comprehensive environmental diligence program that is expected to include field delineation of wetlands and waters; threatened and endangered species review; cultural and archaeological-resource investigations; stormwater and drainage analysis; noise and visual assessments; geotechnical studies; and evaluation of existing environmental conditions.

The current project concept assumes that direct impacts to wetlands and waters of the United States can be avoided. Accordingly, authorization under Section 404 of the Clean Water Act is not presently

anticipated. This conclusion will be confirmed through field delineation and final engineering. If jurisdictional impacts cannot be avoided, the Bidder will obtain the necessary U.S. Army Corps of Engineers authorization and associated state water-quality certification.

The results of the field investigations and agency consultations will be used to refine the project layout and engineering design, support the EFSB consolidated permitting and MEPA review processes, and identify any additional federal or state authorizations. The Bidder will apply an avoidance, minimization, and mitigation hierarchy throughout project design, with priority given to using previously disturbed areas and existing access and utility infrastructure.

iv. Viable Financing Plan

The Project is expected to be financed through a combination of sponsor equity and third-party project financing appropriate for a utility-scale battery energy storage project. The Bidder intends to advance development expenditures through the interconnection, permitting, engineering, and commercial development phases prior to final investment decision.

As development progresses and interconnection costs, permitting requirements, capital costs, revenue arrangements, and applicable tax incentives become sufficiently defined, the Bidder will refine the Project's financial model and financing structure. Final investment decision and construction financing are anticipated following achievement of the Project's principal development milestones, including sufficient certainty regarding interconnection, permitting, equipment supply, construction costs, and Project revenues.

Please also refer to Section A-5 for additional financial information.

v. Viable Installation and Electrical Interconnection Plans

The Project intends to submit an Interconnection Request to ISO-NE during the applicable 2026 Cluster Request Window. The interconnection process will establish the required interconnection facilities, network upgrades, cost responsibilities, and schedule necessary to reliably interconnect the Project.

In parallel with the interconnection process, the Bidder plans to advance preliminary site engineering to establish the BESS configuration, access, collection system, substation, generation tie-line, and point-of-interconnection requirements. The design will be refined as interconnection study results and site-specific environmental information become available.

Following sufficient advancement of the interconnection and permitting processes, the Bidder intends to competitively procure the BESS equipment and EPC scope and advance detailed engineering. The current development schedule targets major equipment procurement and construction authorization during 2028, construction during 2028–2029, and energization and commissioning sufficiently in advance of December 31, 2029 to provide schedule contingency.

vi. Material Progress Toward Acquisition of All Real Property Rights

Real property rights represent the Project's most advanced development workstream. BESS site control is secured. DPA, an affiliate of the Bidder, owns the Project site in fee, and the Bidder holds an executed Option and Ground Lease Agreement with DPA covering the BESS site for the full contract term (Attachments 7.2-A and 7.2-B). The bidder already owns the project site.

The Bidder's real estate strategy is intended to provide sufficient rights for the development, permitting, construction, operation, maintenance, replacement, and decommissioning of the BESS and associated facilities. The Bidder will provide available site-control documentation demonstrating the status of the Project's real property rights.

vii. Evidence of Material Vendor Activity

The Project has not yet reached the stage at which equipment supply or EPC contracts would typically be executed.

The Bidder's development schedule contemplates initiating formal vendor engagement as the Project advances through interconnection, permitting, and preliminary engineering.

The anticipated procurement process will include engagement with qualified battery energy storage system suppliers, power conversion system suppliers, transformer and high-voltage equipment manufacturers, and EPC contractors.

Vendor engagement will be used to validate:

- equipment configuration;
- Project footprint;
- equipment availability;
- manufacturing lead times;
- capital costs;
- augmentation requirements;
- warranties and performance guarantees;
- domestic-content and other tax-credit considerations;
- construction schedule; and
- long-lead equipment requirements.

Formal BESS and EPC procurement is currently anticipated to occur during 2027–2028, with major equipment commitments timed sufficiently in advance of construction to protect the December 31, 2029 COD.

Overall Project Readiness and Schedule

Although the Project remains in an early stage of development and several of the activities described above have not yet formally commenced, the Bidder believes the Project is more likely than not to achieve its proposed December 31, 2029 COD.

This conclusion is based on:

- advancement of site control;
- identification of the applicable permitting pathway;
- a defined plan to enter the ISO-NE interconnection process in 2026;
- an integrated development schedule;
- parallel advancement of permitting, interconnection, environmental, engineering, and commercial workstreams;
- planned completion of the principal development activities during 2028; and
- sufficient time thereafter for procurement, construction, energization, and commissioning.

The development schedule is designed to avoid reliance on the December 31, 2029 COD as the expected completion date. Instead, the Bidder intends to target completion of construction and commencement of energization and commissioning sufficiently in advance of the proposed COD to provide contingency for potential delays.

Accordingly, while significant development work remains to be completed, the Bidder believes that the approximately three-year period between anticipated ISO-NE queue entry in 2026 and the proposed December 31, 2029 COD provides a viable and executable development window.

10.3 Detail the status of all critical path items, such as receipt of all necessary siting, environmental, and ISO-NE or interconnecting Distribution Company approvals.

BESS site control is secured. Except for most of the site control activities, the Project has not yet received its siting, environmental, ISO-NE, or interconnecting utility approvals. The Bidder has, however, identified the principal critical-path activities required to achieve the proposed December 31, 2029 Commercial Operation Date (“COD”) and incorporated these activities into an integrated development schedule.

Section A-11: Construction and Logistics

This section of the proposal addresses necessary arrangements and processes for assembly, and deployment of major project components, including the Energy Storage System and all equipment required for the system to fulfill its operational plan, and other major components associated with delivery facilities.

Please provide a construction plan that captures the following objectives. If the project is being developed in phases, please break out the construction plan for each phase. Please answer the following questions in Section A-11 for each Transmission Project and Distribution Project being bid:

11.1 *Please list the major tasks or steps associated with deployment of the proposed project and any necessary specialized equipment.*

Enter appropriate explanation in this space or reference applicable attachment(s)

Deployment runs from final engineering and procurement through construction, commissioning and commercial operation.³⁶

1. **Engineering and permits:** utility and topographic surveys, geotechnical investigation, wetland field delineation, permitting matrix, and detailed civil, structural, electrical, protection and controls, communications, fire protection and interconnection design; acquisition of permits.
2. **Procurement:** BESS enclosures, PCS, main power transformer, substation protection and control equipment, switchgear, structural steel, communications and balance of plant.
3. **Site preparation:** clearing and grading within the ~15.5-acre buildable envelope, avoiding mapped wetlands and their 25-foot no-build and 100-foot buffer zones; drainage, erosion and sediment controls; access improvements; laydown areas. Tree clearing is limited to November 1–April 14 to protect the northern long-eared bat.
4. **Civil works:** access roads, foundations and equipment pads, underground duct banks, grounding, fencing and security.
5. **Equipment installation:** BESS enclosures, PCS, MV collection, auxiliary power, communications, and fire detection and suppression.
6. **Interconnection facilities:** 115/34.5 kV project substation, main step-up transformer, , and any utility-required upgrades.
7. **Electrical installation:** power and control cabling, terminations, SCADA, and protection and control integration.
8. **Testing and commissioning:** energization, functional testing, relay and protection testing, communications checks, utility witness testing, performance testing and ISO-NE compliance validation.
9. **Operations readiness:** operator and first responder training, turnover documentation, closeout and transition to commercial operation.

Specialized equipment: excavators and land-clearing equipment, pile drivers, trenchers, cable-pulling rigs, mobile cranes for enclosure and transformer setting, forklifts and telehandlers, heavy-haul (possibly

³⁶ Tetra Tech Critical Issues Analysis (April 17, 2026) (Attachment 7.3); PT Section A-10 (schedule).

oversize/overweight) transport for the main transformer, and electrical test and commissioning equipment. All installation, testing and energization will follow utility, ISO-NE, OEM and safety requirements.

11.2 Please describe the proposed approach for staging and deployment of major project components to the project site.

Enter appropriate explanation in this space or reference applicable attachment(s)

Major equipment arrives factory-assembled and tested, just in time, and is set directly on prepared pads to minimize laydown and double handling.

Access. The site is reached from Energy Road, a private road serving the existing facility that connects to Old Fall River Road. Construction entrances and routes will be set around vegetation, terrain and the operating plant's needs.

Laydown. Construction staging and laydown will be confined to the previously developed industrial portion of the parcel, within the limits of work, so no new ground disturbance or wetland buffer impacts are needed. The proposed laydown area is outlined in red on the site plan excerpt below.



Sequencing. A logistics plan developed with the OEM and EPC contractor will tie deliveries to milestones: foundations, pads, underground work and interconnection facilities. Battery enclosures, PCS, transformers and switchgear arrive just in time.

Lifting. Heavy-haul vehicles, cranes, forklifts and telehandlers will place components directly on foundations wherever feasible. Lifting and rigging plans will be reviewed before each major delivery.

Traffic. A traffic management plan, coordinated with the Town of Dartmouth, will set delivery routes and times, keep emergency access open and minimize effects on neighbors. Road-use and oversize/overweight permits will be obtained as required.³⁷

11.3 List the party (e.g. the bidder, or equipment/service providers under contract to the bidder) responsible for each deployment activity and describe the role of each party. Describe the status of bidder's contractual agreements with third-party equipment/service providers.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder keeps overall responsibility for the Project and delivers it through a full-wrap EPC and qualified OEM partners.

Party	Role	Status
Dartmouth Energy Storage LLC (Bidder)	Development, permitting, interconnection, financing, stakeholder engagement, owner's oversight of engineering, procurement and execution, risk management and compliance	Active; site owned in fee
HDR (Owner's Engineer)	Owner's engineering, design review and bid support	Engaged
Full-wrap EPC contractor	Detailed engineering, procurement management, site preparation, civil and electrical construction, installation, commissioning support and closeout	Shortlist of qualified EPC contractors identified
BESS OEM (e-STORAGE, per design basis)	Design, manufacture, factory testing, delivery, commissioning support, warranty, performance guarantees and LTSA	Pricing received
PCS, transformer and switchgear suppliers	Supply and factory testing of power conversion and substation equipment; installation and commissioning support	Preferred suppliers selected

³⁷ Section A-7 (site access and permits); conceptual site plan (Attachment 7.1).

Party	Role	Status
Specialty subcontractors	EMS, protection and controls, communications, heavy haul, testing and other balance-of-plant services	To be selected later in the project timeline
Interconnecting utility (Eversource) / ISO-NE	Utility-owned interconnection facilities and required system upgrades	Per cluster study and interconnection agreement

No construction or equipment supply agreements are executed at this stage. Final selections will weigh technical qualifications, BESS experience, schedule and commercial terms, and agreements will be executed before construction begins, consistent with the Section A-10 schedule.

Section A-12: Operations and Maintenance

Projects that can demonstrate that the operation and maintenance (“O&M”) plan, level of funding, and mechanism for funding will ensure reliable operations of all aspects of the project during the term of the contract are preferred.

Please answer the following questions in Section A-12 for each Transmission Project and Distribution Project being bid:

12.1 Provide an O&M plan for the project that demonstrates the long-term operational viability of the proposed project. The plan should include the location of the O&M base, a discussion of the staffing levels proposed for the project, the expected role of the project sponsor or equipment manufacturer/outside contractor, scheduling of major maintenance activity, and the plan for testing equipment.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project is a new standalone battery facility on land owned by DPA at 1 Energy Road, Dartmouth, adjacent to the Dartmouth thermal plant, an operating dual fuel generating facility owned and operated by DPA, an affiliate of the Bidder. The Dartmouth thermal plant will serve as the O&M base. The site provides permitted access, security, communications, and an around the clock staffed presence at the facility. DPA currently administers the operating agreement, environmental and safety programs, and the annual maintenance budget at that location. There will be no new O&M facilities required to support the battery storage project, and site personnel coverage will be available at the commencement of commercial operations.

The Project is designed for remote operations with continuous system monitoring and will not require a continuously manned operating crew. the Bidder anticipates two to three onsite personnel for site safety and routine operations covering daily inspections, switching, balance of plant work, contractor escort, and coordination of scheduled maintenance. Co-location with the Dartmouth thermal plant will yield efficiencies in shared services functions including grounds keeping, security and environmental support.

The Bidder will retain owner responsibility through its Asset Management and Operations group. That responsibility covers the operations and capital budgets, funding and administration of the maintenance reserves described in Section 12.2, market bidding and dispatch for scheduling into ISO-NE and the Clean Peak Energy Standard program, permit and regulatory compliance, contract administration, performance monitoring measured against the guarantees described in Section 12.3, and long-term capital planning including the timing and funding of capacity augmentation. Specialized battery system maintenance is performed by the equipment manufacturer or its designated service organization under a long term service agreement, expected to cover scheduled and corrective maintenance, controls software support, spare parts, periodic component provider, and execution of capacity augmentation, with the service provider carrying the performance guarantees.

Preventive maintenance will follow the manufacturer intervals reflected in the project capacity maintenance study and is scheduled outside the Clean Peak seasonal delivery windows so that contracted deliverability is preserved. Periodic component replacements will coincide within the scheduled maintenance windows

to minimize outage downtime. A battery facility has no turbine overhaul outage equivalent. The functional equivalent is capacity augmentation, scheduled at the project years 3, 7, and 13 and executed block by block without a complete facility outage, which will maintain the guaranteed usable alternating current energy capacity of 880 MWh across the 20 year delivery term, consistent with Section 3.11.

Delivery facility maintenance is coordinated with the associated direct current blocks or scheduled in a shoulder month outside the delivery windows and coordinated with ISO-NE under applicable market rules and the interconnection agreement.

Baseline capacity, efficiency, protection, and the control system testing will be performed at commissioning and will establish the reference for subsequent performance testing and monitoring. Recurring testing includes an annual capacity test, sensor calibrations, enclosure and cable entry inspections, and fire alarm and suppression inspections. Protection and metering testing with ISO-NE follows the intervals set by the interconnection agreement and applicable reliability requirements. A site emergency response plan will be developed with the local community including familiarization with the Dartmouth Fire Department.

12.2 Describe in detail the proposed O&M funding mechanism and funding levels to support planned and unplanned O&M requirements.

Enter appropriate explanation in this space or reference applicable attachment(s)

O&M obligations for the Project will be funded through a contractually defined, first-priority application of Project operating revenues, supported by a dedicated liquidity reserve. This structure is designed to ensure that planned and unplanned maintenance requirements are met on a timely basis, independent of the Project's debt service obligations, distributions, or other discretionary uses of cash. It is consistent with the cash management framework customary for utility-scale energy storage project financings.

To fund longer-cycle capital requirements (e.g., battery augmentation, inverter or PCS replacement, or major component overhauls), a separate Major Maintenance Reserve Account / Augmentation Reserve Account will be funded through scheduled contributions from cash flow. Contribution levels will be set based on a long-term maintenance and augmentation plan, reviewed periodically by the Independent Engineer, and structured to fund cash requirements in advance of required expenses.

12.3 Describe the terms (or expected terms) of the warranties and/or guarantees on major equipment that the bidder is utilizing or proposing to utilize.

Enter appropriate explanation in this space or reference applicable attachment(s)

Major equipment will be covered by manufacturer warranties and performance guarantees, including capacity/energy-retention and round-trip-efficiency guarantees under the LTSA, consistent with the degradation and augmentation strategy in Section 3.11.

12.4 Describe the status of the project sponsor in securing any O&M agreements or contracts. Include a discussion of the sponsor's plan for securing a medium-term or long-term O&M contract, including the expected provider of O&M services.

Enter appropriate explanation in this space or reference applicable attachment(s)

Please refer to 12.1 bid response for status of O&M agreements.

12.5 Provide examples of the bidder's experience with O&M services for other similar projects.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder's team has direct operating-asset-management experience on utility-scale power facilities that is transferable to long-term O&M oversight of the Dartmouth BESS, including asset-management oversight of large solar and thermal generation and of thermal generation slated for retirement and BESS redevelopment. For the Project, this in-house operating experience will be paired with a manufacturer/third-party long-term service agreement (LTSA) for the battery system as described in Sections 12.1 and 12.3.

Section A-13: Project Management and Experience

Bidders are required to demonstrate project experience and management capability to successfully develop and operate all aspects of the project proposed. The Evaluation Team is particularly interested in project teams that have demonstrated success in projects of similar type, size and technology and can demonstrate an ability to work together effectively to bring the project to commercial operation in a timely fashion.

For all project-specific questions in Section A-13, if bidding in multiple Transmission Projects or Distribution Projects, please answer each question for each Transmission Project or Distribution Project being bid.

13.1 Provide an organizational chart for the project that lists the project participants and identifies the corporate structure, including general and limited partners.

Enter appropriate explanation in this space or reference applicable attachment(s)

Please see Attachment 13.1-A, which shows the corporate structure of the Bidder, including its ultimate parent and sponsor, and identifies Dartmouth Power Associates Limited Partnership, the affiliated owner of the Project site.

13.2 Provide statements that list the specific experience of the bidder and each of the project participants (including, when applicable, the bidder, partners, and proposed contractors), in developing, financing, owning, and operating generating and delivery facilities, other projects of similar type, size and technology, and any evidence that the project participants have worked jointly on other projects.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder's team brings directly relevant experience across battery storage development, thermal-to-BESS conversion and co-location, power-asset acquisition and management, redevelopment of existing generation sites, and interconnection and offtake capture. The team maintains a project-by-individual experience record documenting this depth across its development, commercial, engineering, finance, and legal staff. Key dimensions relevant to this bid include standalone BESS development on grid-connected industrial sites (the model applied at Dartmouth), utility-scale operating-asset development and management, interconnection/transmission and ISO-NE market/offtake capture, and project finance, tax-equity structuring, M&A, and in-house legal experience. The individuals named in this bid have worked jointly across the current portfolio of redevelopment and BESS projects for affiliates of the Bidder.

13.3 Provide a management chart that lists the key personnel dedicated to this project and provide resumes of the key personnel. Key personnel of the bidder's development team having substantial project management responsibilities must have:

- i. Successfully developed and/or operated one or more projects of similar size or complexity or requiring similar skill sets; and*
- ii. Experience in financing power generation projects (or have the financial means to finance the project on the bidder's balance sheet).*

XXX has greenfield developed 550 MW of utility scale 2-hour duration energy storage projects. Those projects remain in operation for the last 2 to 4 years post COD. These projects are located in ERCOT.

13.4 Provide a listing of all projects the project sponsor has successfully developed or that are currently under construction. Provide the following information as part of the response:

- i. Name of the project*
- ii. Location of the project*
- iii. Project type, size and technology*
- iv. Commercial operation date*
- v. Availability factor of the project for the past three years*
- vi. Safety record*
- vii. References, including the names and current addresses and telephone numbers of individuals to contact for each reference.*

Enter appropriate explanation in this space or reference applicable attachment(s)

Please refer to Section 5.6 for the detail list of projects which have been successfully developed by team members of the Bidder.

13.5 If the bidder's previous project experience is primarily or entirely outside of Massachusetts and/or the Northeast, describe how the skills and perspectives of this non-local experience will be beneficial to successfully developing the bid(s) under this RFP.

Enter appropriate explanation in this space or reference applicable attachment(s)

We plan to engage a variety of local contractors to support this development effort. In addition, several of our team members reside in the state of Massachusetts.

13.6 With regard to the bidder's project team, identify and describe the entity responsible for the following, as applicable:

- i. Construction Period Lender*
- ii. Operating Period Lender and/or Tax Equity Provider*
- iii. Financial Advisor*
- iv. Environmental Consultant*
- v. Facility Operator and Manager*
- vi. Owner's Engineer*
- vii. Transmission/Delivery Consultant*
- viii. Legal Counsel*

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder will have the above roles identified and assigned to experienced project support staff as required and when the project matures to the state that such support is required.

13.7 Describe the experience and expertise of the bidder and project team needed to successfully develop, finance, construct, and operate and maintain its proposed eligible project on schedule and according to the bidder's commitments to a competitive procurement process. Describe the Bidder's continuity of corporate management through successful project development.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder's team pairs development depth with finance, engineering, and legal capability and has demonstrated continuity of management across its current redevelopment and BESS portfolio, supporting the ability to develop, finance, construct, operate, and maintain the Dartmouth project on schedule.

13.8 Describe the Bidder's track record developing similar projects, including consideration of any project delays, amendments, defaults, and performance issues, including on prior long-term contracts. Describe any prior failures to achieve commercial operation dates under other contracts and provide a credible description of how the current proposed project will avoid similar project delays or development issues if applicable.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder plans to successfully develop, construct and operate the Dartmouth energy storage project.

13.9 Describe the bidder's relevant experience supporting similar projects in a state or federal regulatory or judicial forum. This experience can be established with examples of one or more key member(s) of the development team advocating in favor of a similar project in a regulatory proceeding, before a court, or in another tribunal.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder's team includes members with experience supporting energy projects in state and federal regulatory forums relevant to this bid, including ISO-NE, FERC, the Massachusetts DPU/EFSB, and MEPA, with additional experience in other state forums and ISOs.

XXX: prior work included participation in the Massachusetts Siting Reform Commission, proxy delegate for Massachusetts Energy Transformation Advisory Board, early stage development for Vineyard Wind 2 (Massachusetts) with Vineyard Offshore; early stage permitting and development for Beacon Wind (Equinor); development of SeaLink Transmission from Maine into Boston (NextEra Transmission). XXX has served as a voting member of ISO-NE on several occasions and is the current representative of DPA, along with XXX.

13.10 If the bidder or any of its past or present affiliates has either (1) been involved with a complex development project that failed, was withdrawn, or otherwise did not proceed, or (2) defaulted under, or agreed to terminate a contract for a complex development project, then the bidder should provide relevant details.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder as not, nor has any past or present affiliates of the Bidder, been involved in failed or have defaulted on project development efforts.

Section A-14: Economic Development and Employment Benefits, Transitioning Fossil Fuel Communities, Benefits to Low Income Ratepayers and Environmental Justice Communities, and Other Benefits

For all project-specific questions in Section A-14, if bidding in multiple Transmission Projects or Distribution Projects, please answer each question for each Transmission Project or Distribution Project being bid:

14.1 Please provide an estimate of the number of jobs to be created directly during project development and construction, and during operations, and a general description of the types of jobs created, duration of employment, estimated annual compensation, the employer(s) for such jobs, and the location. Employment impacts should be broken out by state and the region as a whole and highlight any impacts in economically distressed areas, including former fossil fuel communities. Please treat the development, construction, and operation and maintenance periods separately in your response. All information provided must be measurable.

Enter appropriate explanation in this space or reference applicable attachment(s)

Development: The Bidder utilizes FTEs of its affiliate, PowerTransitions Management Services LLC, and contractors throughout the development process. For a project of this size, we would expect a direct development team of ten individuals, at least 2 of those located in Massachusetts, including the Head of External Affairs. For contractors, the Bidder is using a Massachusetts based contractor for economic modeling and a Boston based law firm for proposal development, siting and permitting.

Construction: For a 220MW BESS project, the Bidder anticipates a one-year construction period jobs totaling 100 job years and 100 FTEs (in this instance the two are equal as construction is expected to take one year). All construction jobs would be located in Dartmouth and the Bidder anticipated most, if not all would be local contractors. Types of jobs would include commercial landscapers, welders, electricians, engineers, site safety personnel, civil engineers,

Operations: BESS projects do not require significant FTEs. The Bidder would expect 2-3 on-site personal for safety and O&M. Further, as this project would be located near an existing operating asset owned by an affiliate of the Bidder, the Bidder would expect some efficiencies with operational jobs such as landscaping, secured, etc.

Additionally, as this Project is located near Dartmouth thermal plant, the primary local community benefit will be derived from the development, construction and operations jobs, tax benefits and additional financial commitments the Bidder anticipates.

Construction compensation will meet or exceed the Massachusetts DLS prevailing wage for Bristol County (base plus fringe), covering electricians, laborers, equipment operators, civil/site engineers, welders, and site-safety personnel.

14.2 Please describe employment opportunities for members of federally recognized and state acknowledged tribes in the Commonwealth, workers from low-income communities and certified minority-owned and women-owned small business enterprises in the Commonwealth, as well residents of any Environmental Justice neighborhoods impacted by the project.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder understands that the communities around Dartmouth are economically diverse. The Bidder will conduct outreach and engagement with the regional workforce with programs from Bristol Community

College, University of Massachusetts/Dartmouth and local skills enhancement and placement. The Bidder will also seek to work with a diverse set of local businesses and look to the Massachusetts Clean Energy Center Workforce Center for job listings as well as their Internship Program.

14.3 Please describe project support for workforce harmony and community benefits through Community Benefits Agreements and workforce agreements with appropriate labor organizations for construction, renovation, reconstruction, alteration, installation, demolition, expansion, maintenance and repair, if applicable.

Enter appropriate explanation in this space or reference applicable attachment(s)

As of the date of this proposal, the Bidder has not entered into a Community Benefits Agreement or any workforce or project labor agreements. As described in Section 7.10, the Bidder will evaluate appropriate host-community commitments in consultation with the Town of Dartmouth and other relevant stakeholders as Project development advances, including engagement with the host Environmental Justice community and local labor organizations. the Bidder will consider workforce agreements as part of its selection of the Project's EPC contractor. Construction compensation will meet or exceed the Massachusetts prevailing wage for Bristol County, as described in Section 14.1, and the Bidder intends to meet the federal prevailing wage and apprenticeship requirements, as described in Section 5.14. Workforce development and the tracking of community and employment commitments are described in Sections 14.2, 14.9 and 14.11.

14.4 Please describe the status of any contractual commitments with respect to direct job creation and provide any pertinent agreements that have been executed, if applicable.

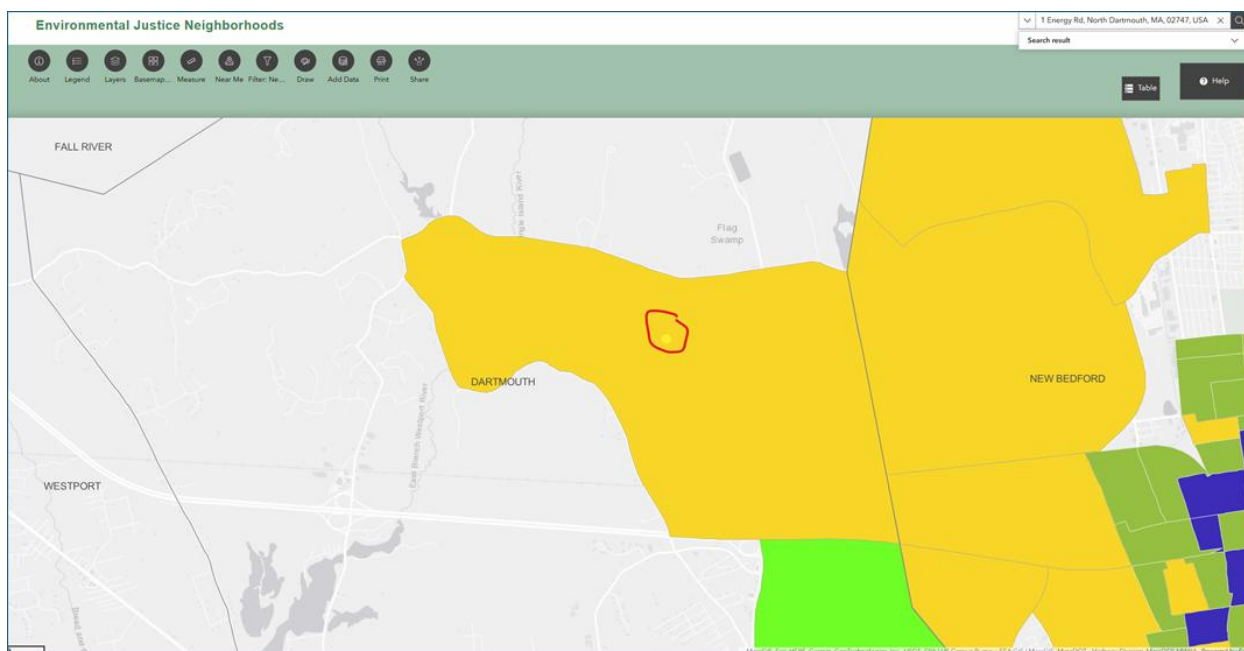
Enter appropriate explanation in this space or reference applicable attachment(s)

The host area is a designated Massachusetts Environmental Justice Population (Census Tract 6531.02, Block Group 2, Bristol County — Minority criterion). The project avoids and minimizes negative impacts by siting on an already-industrial, grid-connected parcel, avoiding wetlands, limiting tree clearing to the winter window, and maintaining the recommended BESS isolation zone for community and first-responder safety. The Project directs positive benefits to the EJ host community through local construction and O&M hiring, local supplier spend, property-tax revenue, and reuse of existing infrastructure.

14.5 Please describe and quantify any other economic activity or development expected to result directly from the proposed project. Impacts should be broken out by state and the region as a whole and highlight any impacts in economically distressed areas or former fossil fuel communities. Direct economic activity/development will be evaluated based on scale relative to project size, credibility and firmness. Preference will be given to commitments that secure long-term benefits; begin to provide benefits during project development, construction, installation, and the first five years of operations; direct benefits to Environmental Justice populations and host communities.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project delivers economic activity to the Town of Dartmouth and Bristol County through construction spending, local procurement, and property-tax revenue on a substantial new capital investment on land an affiliate of the Bidder owns, plus reuse of an existing industrial site and interconnection. Because the host block group is a designated Massachusetts Environmental Justice Population (Census Tract 6531.02, Block Group 2; see 14.6 and 14.14), these benefits — local hiring, local supplier spend, and tax base — flow directly to an EJ population and host community, beginning during construction and the first years of operation. The project is further situated immediately west of the City of New Bedford, a substantially EJ-designated Gateway City. [MA 2020 Environmental Justice Neighborhoods \(v2.0\)](#)



14.6 Please demonstrate any benefits to low-income ratepayers in the Commonwealth and describe how the project minimizes and mitigates, to the extent feasible, ratepayer impacts. Benefits to low-income ratepayers may include, but are not limited to, projects that reduce the energy burden for low-income ratepayers through energy efficiency or renewable energy upgrades; direct funding of rate relief through grant programs, support of existing community programs or other funding opportunities. Describe the impact, if any, those benefits will have on the cost of the project.

Enter appropriate explanation in this space or reference applicable attachment(s)

As a CPS resource delivering CPECs under a fixed-price Long-Term Contract, the project contributes dispatchable clean peak capacity that helps flatten the ISO-NE supply curve and moderate wholesale peak costs borne by Massachusetts ratepayers, including low-income ratepayers — the market-mechanism benefit common to all storage. Beyond that floor, the host area is a designated Massachusetts Environmental Justice Population: the site falls within Census Tract 6531.02, Block Group 2 (Bristol County), a Minority EJ population.

Please provide copies of any agreements to effectuate those benefits.

No such agreements have been entered into.

14.7 Please describe benefits to transitioning fossil fuel communities, including how the community can be described as a fossil fuel community, including but not limited to hosting fossil fuel infrastructure such as fuel storage, delivery facilities, or fossil fuel generation facilities.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Project host parcel hosts fossil-fuel generation infrastructure: the operating Dartmouth thermal plant (a 68 MW combined-cycle and 25 MW combustion-turbine dual-fuel facility) sits on the same parcel, and an active natural-gas pipeline right-of-way crosses the site. Siting a 220 MW / 880 MWh clean peak BESS on this parcel adds dispatchable clean capacity that reduces regional reliance on and ramping of fossil peaking resources, advancing a clean-energy transition on a fossil-generation host site within an Environmental Justice community.

14.8 Please provide a diversity, equity and inclusion plan that includes a Workforce Diversity Plan and the Supplier Diversity Program Plan as outlined in Section 2.2.2.13 of the RFP.

Enter appropriate explanation in this space or reference applicable attachment(s)

Workforce Diversity Plan. The Bidder is an equal opportunity employer, and employment decisions and contractor selection for the Project will be based on qualifications and merit, consistent with applicable law. The Bidder will make Project employment opportunities broadly known through regional workforce programs, including Bristol Community College, UMass Dartmouth and Mass CEC workforce programs, as described in Sections 14.2 and 14.11, so that residents of the host community and nearby Environmental Justice populations have access to them. Construction compensation will meet applicable wage requirements, as described in Sections 5.14 and 14.1.

Supplier Diversity Program Plan. The Bidder will implement a Supplier Diversity Program for the Project. The Bidder will award Project contracts through open, competitive procurement based on qualifications, price and performance. To make construction and long-term O&M procurement opportunities widely known, the Bidder will use the Massachusetts Supplier Diversity Office directory of certified minority-, women-, veteran-, disability- and LGBT-owned businesses to identify qualified suppliers, and will conduct outreach to local and small businesses in Dartmouth, New Bedford and Bristol County. The Bidder will track Project procurement spend and report results using commercially reasonable efforts, as provided in the Form MOU with DOER.

Tracking and reporting. The Bidder will track and report workforce and procurement information using commercially reasonable efforts, as provided in the Form MOU with DOER and described in Section 14.9.

14.9 Please describe the strategy and mechanisms to track and report on any applicable commitments, including progress in achieving promised employment and economic benefits and the goals in the diversity, equity and inclusion plan, based on the template provided in the Form MOU with DOER and any other supplemental plans for tracking and reporting.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder commits to tracking and annually reporting progress on employment, economic, and DEI commitments using the template in the Form MOU with DOER, including the applicable Appendix H categories (1(a)–1(j)). The Bidder anticipates using software such as Borealis or other commercially available tools to track outreach, hours, etc.

14.10 Please provide a marked version of the Form MOU with DOER for this solicitation showing any specific proposed changes to the Form MOU. Bidders are discouraged from proposing any material changes or conditions to the Form MOU and any such changes will be considered in the Stage Two Qualitative Evaluation.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder does not propose any changes to the Form MOU with DOER set forth in Appendix H of the RFP and, if selected, is prepared to execute the Form MOU as issued. Accordingly, no marked version is attached.

14.11 Please propose a strategy plan to track and report on the status of environmental justice impacts, and engagement and employment (training, recruitment and hiring goals) opportunities, based on the template provided in the Form MOU with DOER and any other supplemental plans for tracking and reporting.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder will track and report EJ impacts and engagement/employment (training, recruitment, and hiring) using the Form MOU template, with outreach and reporting focused on the host EJ community and the

regional workforce (Bristol Community College, UMass Dartmouth, MassCEC workforce programs). The Bidder anticipates using software such as Borealis or other commercially available tool to track outreach, hours, etc.

14.12 Please describe experience with stakeholder engagement showing demonstrated past and current productive relationships with environmental, commercial and residential stakeholders, federally recognized and state acknowledged tribes, Environmental Justice, and track record of avoiding, minimizing, and mitigating environmental, tribal, environmental justice, and onshore impacts from projects similar to the proposed project.

Enter appropriate explanation in this space or reference applicable attachment(s)

The Bidder and its affiliates develop energy projects in coordination with environmental, commercial, and residential stakeholders across the Northeast, with a track record of avoiding, minimizing, and mitigating impacts through early engagement. For Dartmouth, the team has contacted the Town of Dartmouth and will work directly with the town as the project advances. Our understanding is that Dartmouth is home to several solar projects and is considering new zoning rules for BESS and similar projects. If and when the new zoning and regulations are available the Bidder will follow process accordingly. We will work the regional community, state agencies, and — through the Section 106/MHC process — the tribes with potential interest identified in the CIA (Mashpee Wampanoag, Mohegan, Narragansett, and Wampanoag Tribe of Gay Head (Aquinnah)).

14.13 Please describe extent to which the project demonstrates that it avoids, minimizes, or mitigates, to the maximum extent practicable, environmental impacts. Preliminary characterization of the potential environmental impacts facility and other infrastructure from pre-construction through the duration of the project.

Enter appropriate explanation in this space or reference applicable attachment(s)

The project's environmental profile is characterized in the completed Tetra Tech Critical Issues Analysis (April 2026), which identifies no major obstacle to permitting. Key avoidance/minimization measures: siting within a ~15.5-acre buildable envelope on a previously developed industrial parcel with existing interconnection to avoid greenfield disturbance; avoiding the mapped on-site wetlands and their 25-foot no-build and 100-foot buffer zones and the mapped intermittent stream; limiting tree clearing to the winter window (November 1–April 14) to protect the northern long-eared bat and nesting migratory birds; erosion and sediment controls under the USEPA NPDES construction permit; and coordination with the Massachusetts Historical Commission and interested tribes through Section 106. No mapped floodplains, ACECs, NHESP priority habitat, or vernal pools were identified within the Study Area. Formal agency consultations (USFWS, MHC/tribes) will be completed through the permitting process.

14.14 Please describe extent to which the project demonstrates that it avoids, minimizes, or mitigates, to the maximum extent practicable, negative impacts on Environmental Justice populations and host communities, and extent to which the project directs positive benefits from the project to those communities.

Enter appropriate explanation in this space or reference applicable attachment(s)

The host area is a Massachusetts Environmental Justice community (Census Tract 6531.02, Block Group 2, Bristol County — a Minority population per the CIA). The project avoids and minimizes negative impacts on this community by siting on an already-industrial, grid-connected parcel, avoiding wetlands, and limiting tree clearing to the winter window. The project directs positive benefits to the EJ host

community through local construction and O&M hiring, local supplier spend, property-tax revenue, and reuse of existing infrastructure. The Bidder will incorporate specific financial contributions to the local community (institutions to be confirmed, following identification of most relevant recipients) commensurate with expected project spend and revenue.

Section A-15: Exception to Form Long-Term Contract

For Transmission Projects, please attach an explanation of any exceptions to the Form Long Term Contract set forth in Appendices B-1 and B-2. Comments to the proposed Form Long-Term Contract must include any specific alternative provisions in a redline format to the Form Long-Term Contract. If the bidder is proposing a phased project with each phase covered by a separate contract, the bidder should provide separate contracts for each phase with specific alternative provisions to the Form PPA in redline format.

Bidders are discouraged from proposing material changes to the Form Long-Term Contract. As provided in Section 2.2.5, the Distribution Companies reserve the right to reject certain mark-ups that add additional cost or risk. Selection of a project does not mean acceptance of the Bidder's mark-ups as bid.

The Bidder's proposed exceptions to the Form Long-Term Contract are provided in redline format as Attachment 15-A, marked against the form of Long-Term Contract with National Grid. The proposed revisions are limited in scope and fall into two categories: (1) conforming changes to reflect the Project's participation as a Clean Peak Standard resource delivering CPECs; and (2) revisions consistent with provisions included in Long-Term Contracts executed under the first Section 83E solicitation. The Bidder proposes that the same revisions, with conforming changes, be made to the Long-Term Contracts with each of the other Distribution Companies.